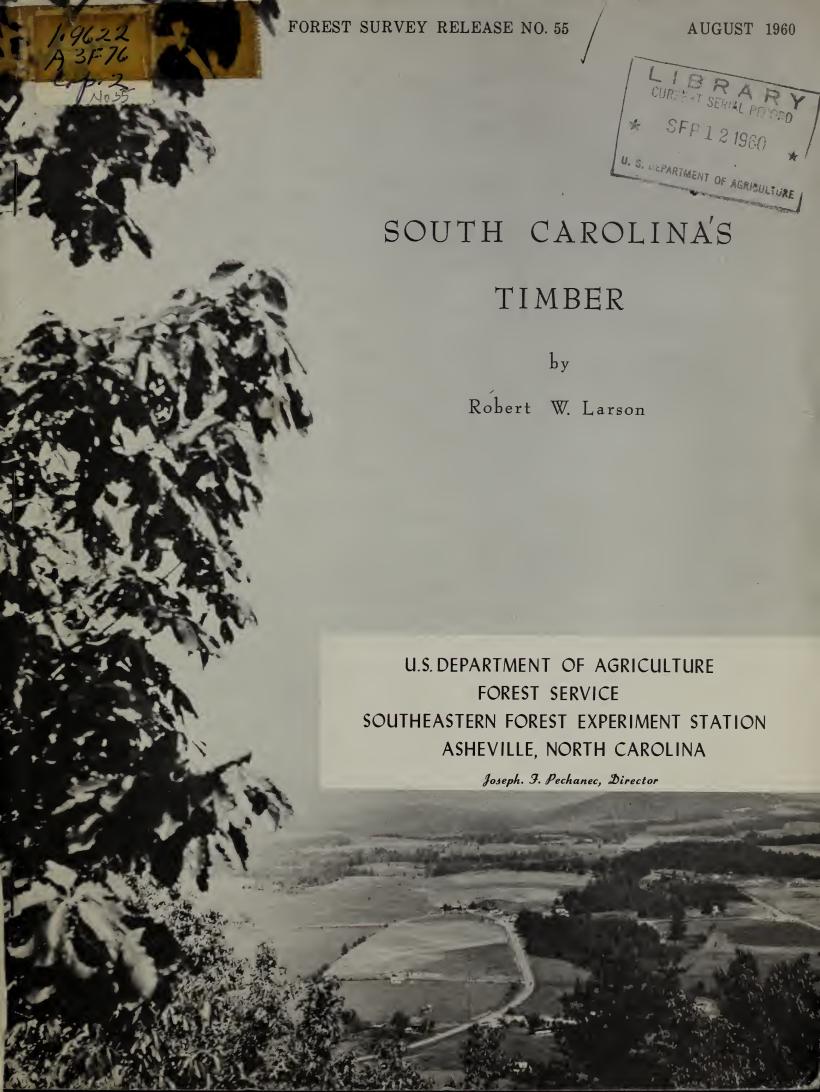
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HIGHLIGHTS

Total timber volume in South Carolina is increasing but size and quality is decreasing. The total inventory volume in hardwood trees increased 16 percent, but growth of softwood timber barely replaced the cut and mortality over the past 22 years. The volume of softwood growing stock, timber now or prospectively suitable for saw logs, dropped 6 percent, and the volume of large sawtimber, trees 15.0 inches and larger, dropped 30 percent. Hardwood growing stock increased 8 percent but large sawtimber dropped 16 percent.

While timber size and quality has decreased, the need for softwoods and the larger and better-quality hardwoods has increased. The spectacular rise in pulpwood production has brought about a big increase in the use of softwoods, and the substantial increase in hardwood lumber and veneer bolt production has increased the demand for high-quality hardwoods. At the same time, the significant drop in use of wood for fuel has reduced the opportunities to utilize the mounting volume of poor-quality

timber.

In the light of past trends, the outlook for industries dependent upon large, high-quality timber is bleak. If past trends continue, and this appears quite likely, further decreases in size and quality of timber may be expected. Current and prospective growth will not replace the current cut of large-size timber.

For industries that are able to shift their use to smaller and lower-quality timber, the outlook is much brighter. The supply and growth of both small softwoods and hardwoods is

increasing rapidly.

Because of forest land ownership, however, this increase in small timber has added very little to the supply readily available to new industries. A large part of this surplus growth is on land owned by forest industries, where an attempt is being made to build up the growing stock and the productivity of the land. On forest land owned by farmers and others not connected with forest industries, overcutting and reduction in productivity continues.

The large amount of unused timber-growing capacity, especially on land not owned by forest industries, offers numerous opportunities to make additional supplies of timber available for new industries and the expansion of existing industries. Productivity can be substantially increased on at least half of the State's 12 million acres of forest land. Over five million acres, including unproductive forest land and idle and abandoned cropland, are potentially available for planting to pine. Productivity on an additional 3 million acres of medium to well stocked forest land can be increased by releasing the desirable trees from the competition of undesirable culls and shrubs.

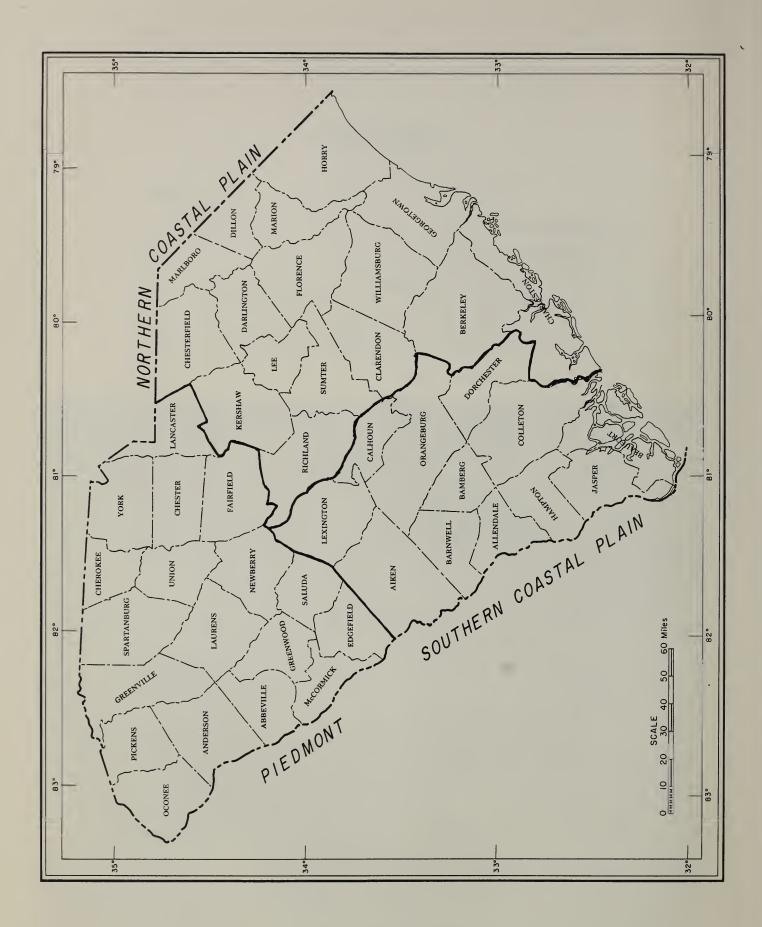
How much and what kind of timber will be available to forest industries in South Carolina depends very largely upon action taken by farmers and other miscellaneous private owners not connected with forest industries to increase productivity of the forest land they own. These more than 100,000 individual owners with forest holdings averaging less than 100 acres own 77 percent of the total forest area in the State and supply 80 percent of the current softwood cut. Also, four-fifths of the land that would profit from treatment is in this type of owner-

ship.



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SOUTH CAROLINA'S TIMBER

bу

Robert W. Larson

In June of 1958, the third survey of South Carolina's timber resources was completed. The first survey was finished in 1936 and the second in 1947.

Comparison between the recent and earlier surveys reveals important changes and trends in the State's timber supply. Some have been desirable and reflect substantial improvement in forest practices during the 22-year interval. But many of the changes taking place are not desirable. While the need for the larger and better-quality timber has been increasing, this kind of timber has been decreasing.

TRENDS IN TIMBER CUT

Softwood Cut Increasing

The 22-year trend shows that forest industries were using, on the average, 13 percent more softwood timber in 1957 than in 1936 (fig. 1). In contrast to softwoods, the trend line in hardwood timber cut shows a 17-percent decline. Based on this line, the proportion of the cut coming from softwoods rose from 62 percent in 1936 to 69 percent in 1957.

Heavier Cut From Large Timber

Timber large enough and of good enough quality for saw logs continues to be South Carolina's most important timber resource (table A). The current trend level of softwood lumber production is up 11 percent and the trend of hardwood lumber production is up 19 percent since 1936 (fig. 1). Saw logs make up a slightly smaller proportion of the total softwood timber cut now than in 1936, but the proportion of the hardwood cut going to sawmills has increased.

The increase in use of hardwood timber for

veneer has also heightened the need for large, high-quality timber. In 1957, timber cut for veneer bolts made up 26 percent of the total volume of hardwood timber cut, compared to only 14 percent in the late thirties. The volume of timber cut for softwood veneer has declined, but the amount of softwood timber cut for this purpose has never been large.

More Timber Cut for Pulpwood

The increase in the use of softwoods reflects mainly the sharp upward trend in the use of yellow-pine pulpwood during the past 20 years. Pine pulpwood production has jumped from 364,400 cords in 1937, when the first large pulpmill in South Carolina began operating, to 1,342,100 cords in 1959 (table B). Pulpwood in 1957 accounted for 41 percent of the total softwood cut.

While hardwoods are used more and more for pulpwood, they are still not nearly as important a source of pulpwood as softwoods. By 1959, hardwoods climbed to 22 percent of the total pulpwood cut.

Less Timber Cut for Fuel

While the demand for high-quality timber has gone up, opportunities to utilize the smaller, lower-grade timber, especially the low-quality hardwoods, have declined. In 1936, fuelwood use, both hardwood and softwood, ranked second only to saw logs, but wood as a fuel has declined rapidly during the past 20 years. Just during the period between 1940 and 1950, the number of dwellings in South Carolina using wood for heating and cooking dropped 26 percent. Wood for curing tobacco, formerly an important use, diminished rapidly as oil replaced wood.

For softwoods, this decline in the use of

wood for fuel has been more than offset by the increase in the use of pine for pulpwood. But for hardwoods, the increased cut for other products did not offset the decline in use of fuelwood. Thus, the drop in use of hardwoods for all products reflects almost entirely the dwindling use of hardwoods for fuel.

As a result of these shifts in timber use, the need for the kind of timber most in demand in 1936 — all sizes of softwoods and the larger hardwoods — is even greater now than 22 years ago. At the same time, with the decline in use of wood for fuel, the opportunity to use the mounting surplus of small, low-quality hardwoods is also declining.

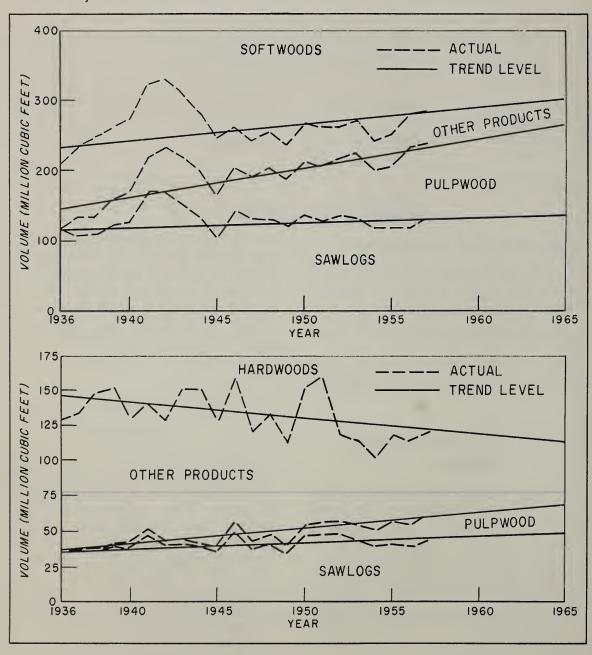


Figure 1.--Forest industries are using more softwoods, mainly because of the greater use for pulpwood. While the use of hardwoods for all products is decreasing, use of hardwoods for both saw logs and pulpwood is increasing.

Table A. --Estimated lumber production in South Carolina, 1936 to 1956 1/
(In million board feet)

| Year | Softwoods | Hardwoods | Total |
|------|----------------|----------------|---------|
| 1936 | 610.2 | 169.8 | 780.0 |
| 1937 | 572.6 | 167.4 | 740.0 |
| 1938 | 577.1 | 182.9 | 760.0 |
| 1939 | 643.5 | 200.5 | 844.0 |
| 1940 | 682 .3 | 190.2 | 872.5 |
| 1941 | 879.9 | 2 3 1.0 | 1,110.9 |
| 1942 | 886.3 | 196.9 | 1,083.2 |
| 1943 | 800 . 3 | 200.9 | 1,001.2 |
| 1944 | 708.0 | 194.1 | 902.1 |
| 1945 | 550.6 | 176.1 | 726.7 |
| 1946 | 748.5 | 245.0 | 993.5 |
| 1947 | 685.7 | 185.4 | 871.1 |
| 1948 | | | |
| 1949 | 636.7 | 167.4 | 804.1 |
| 1950 | 719.8 | 231.6 | 951.4 |
| 1951 | 678.0 | 234.8 | 912.8 |
| 1952 | 722.0 | 236.0 | 958.0 |
| 1953 | 705.0 | 216.0 | 921.0 |
| 1954 | 626.0 | 190.9 | 816.9 |
| 1955 | 621.0 | 201.0 | 822.0 |
| 1956 | 628.0 | 199.0 | 827.0 |

1/ Source: U. S. Bureau of the Census.

Table B. --Round pulpwood production in South Carolina, 1936 to 1958 (In thousand cords)

| Year | Pine | Hardwood | Total |
|-----------------------|-----------|----------|------------------|
| 1026 | 35, 8 | 12.8 | 48.6 |
| 19 3 6 1937 | 364.4 | 29.3 | 393.7 |
| 1937 | 362.7 | 29. 3 | 384. 3 |
| | • | | • |
| 1939 | 533. 6 | 17.0 | 550.6 670.3 |
| 1940 | 602.8 | 67.5 | |
| 1941 | 744.0 | 55. 5 | 799.5 |
| 1942 | 863. 0 | 44.2 | 907. 2 |
| 1943 | 954.0 | 32.6 | 986.6 |
| 1944 | 1,010.0 | 43.5 | 1, 053. 5 |
| 1945 | 823.8 | 53. 7 | 877.5 |
| 1946 | 909.2 | 112.8 | 1,022.0 |
| 1947 | 862.6 | 85. 7 | 948. 3 |
| 1948 | 1,000.1 | 108.4 | 1, 108.5 |
| 1949 | 913.5 | 98.7 | 1,012.2 |
| 1950 | 1,068.6 | 113.8 | 1,182.4 |
| 19 5 1 | 1, 105. 2 | 145.8 | 1,251.0 |
| 19 52 | 1, 132. 5 | 143.2 | 1, 275. 7 |
| 1953 | 1, 273. 4 | 172.8 | 1,446.2 |
| 1954 | 1, 160.5 | 170.4 | 1, 33 0.9 |
| 1955 | 1, 268. 7 | 244.6 | 1,513.3 |
| 19 5 6 | 1,582.9 | 223.7 | 1,806.6 |
| 1957 | 1, 384. 7 | 270.3 | 1,655.0 |
| 1958 | 1, 346. 3 | 246.4 | 1,592.7 |
| 1959 | 1, 342. 1 | 367.8 | 1,709.9 |

More Complete Use of Timber Cut

In recent years, substantial progress has been made toward more complete utilization of the timber cut. In 1957, 45 percent of the total volume of wood left over from the manufacture of primary forest products was used (fig. 2), mainly for fuel and fiber. While the volume of unused logging and plant residue is substantial (102 million cubic feet), opportunities to add to the timber in short supply by using more of this material are quite limited. Over 40 percent of the logging and plant residue comes from hardwood timber. More than half of this consists of hardwood tops left in the woods following saw-log and veneer-bolt operations. The remainder is plant byproducts consisting mainly of slabs, edgings, shavings, and sawdust produced during the manufacture of hardwood lumber.

This leftover material does not provide a substitute for pine or timber cut from large sawtimber trees. Veneer cores produced by the hardwood veneer industry represent a somewhat higher grade of plant residue, but the volume produced is small, and for the most part it is already being used.

Currently, 42 percent of the byproduct from hardwood plants is being used, mostly for fuelwood. A small amount, 31,297 cords, was used for pulpwood in 1959. This accounted for about 8 percent of the total production of hardwood pulpwood.

Little Usable Softwood Left in Woods

Softwoods, being in greater demand, are utilized much more closely than hardwoods and thus offer limited opportunities for more complete utilization. Very little merchantable softwood timber is left in the woods following logging. Sawtimber trees usually are utilized to a small top diameter, frequently well above the merchantable top recognized by the Forest Survey. Also, a large share of the topwood not utilized for saw logs becomes pulpwood, either during combined saw log-pulpwood operations or during a followup pulpwood operation. In 1957, only about 8 percent (23 million cubic feet) of the softwood timber cut qualifying as growing stock was left in the woods; this is in contrast to 18 percent of the hard-wood timber cut. Most of this material left in the woods consists of exceedingly limby tops too widely scattered and too low in quality to justify utilization — especially in view of the currently good supply of small standing roundwood.



The use of softwoods, large and small, and the use of large, high-quality hardwoods has increased during the past 22 years.

Some Increase in Use of Plant Residues Possible

The prospects for utilizing plant residue from softwood timber are somewhat better. But, like logging residue, the usable amount of softwood residue produced is comparatively small, and almost half of what is produced is already being used.

In 1957, the manufacture of softwood timber produced 66 million cubic feet of plant residues (24 percent of the total cut). Of this volume, 35 million cubic feet, more than half, is fine material — sawdust and shavings, with little potential use except for fuel. Fourteen million cubic feet are now being

used, mainly for fuel.

Of the remaining 31 million cubic feet of coarse material, mainly slabs and edgings, 17 million cubic feet is already being used for fuel and pulpwood. Use of slabs and edgings for pulpwood is sharply upward; much of this material formerly used for fuel is now being chipped. In 1957, pulpwood chips equivalent to 76,700 cords of roundwood were produced from slabs and edgings. In 1959, the volume of chips jumped to 191,794 cords — 12.5 percent of total pine pulpwood production, almost half the coarse residue available from plants that year.

Opportunities to utilize the remaining are limited by the problem of collecting the slabs and edgings from hundreds of small sawmills scattered throughout the countryside. Most of these mills are too small to justify the cost of installing chippers or de-

barkers.



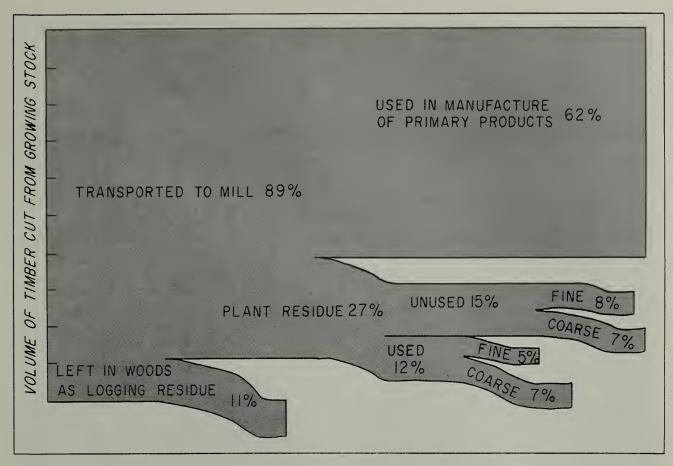


Figure 2.--Almost half of the plant residue produced is now being used. Much of the unused material has little commercial value at the present time or, at best, provides a substitute only for timber already in good supply.

The use of plant residue is complicated by the problem of collecting this material from hundreds of small sawmills scattered throughout the countryside.





TRENDS IN THE TIMBER SUPPLY

Decrease in Timber Size and Quality

During the 22 years between the first and third Survey the total volume of timber in South Carolina has increased, but a larger share of the volume is in smaller and poorer quality trees. The total net volume in hardwood trees increased 16 percent, but the growth of softwood timber barely replaced the cut and mortality (table C). The volume of softwood growing stock, timber now or prospectively suitable for saw logs, dropped 6 percent, and the volume of large sawtimber, trees 15.0 inches and larger, dropped 30 percent.

Hardwood timber has also decreased in size and quality. In contrast to the 16-percent increase in total inventory volume, hardwood timber good enough to make saw logs now or prospectively increased only 8 percent and the volume of large sawtimber

dropped 16 percent.

Changes in timber volume during the past 11 years indicate a speed-up in this shift to smaller and lower quality timber. Reduction in the volume of large sawtimber, both softwoods and hardwoods, was more severe between 1947 and 1958 than between 1936 and 1947. Moreover, this decrease in the availability of large sawtimber coupled with the increased demand for softwood timber inten-

sified the cutting on small sawtimber. As a result, the volume of small softwood sawtimber cut exceeded growth during the past 11-year period. This is in distinct contrast to the surplus of growth over cut during the

preceding 11-year period.

The growth and cut relationship in 1957, though much less indicative of the long-term trend than net change in volume between Surveys, provided little or no basis for anticipating an early reversal in this long-term trend towards smaller and lower quality timber. While growth was sufficient to replace the cut of poletimber and small saw-timber, both softwood and hardwood large sawtimber were still being overcut (table D).

Table C. --Percent change in timber volume between 1936 and 1958, by type of timber and species group

| Type | Species | 1936 - | 1947- | 1936- |
|-----------------|------------------------|---------|------------|------------|
| of timber | group | 1947 | 1958 | 1958 |
| Large | Softwoods | -15 | -18 | -30 |
| sawtimber | Hardwoods | - 6 | -11 | -16 |
| Small sawtimber | Softwoods | + 7 | -12 | - 6 |
| | Hardwoods | +19 | - 4 | +14 |
| Growing | Softwoods | + 3 | - 8 | - 6 |
| stock | Hardwoods | +10 | - 1 | + 8 |
| All timber | Softwoods Hardwoods | + 4 + 8 | - 4 + 8 | - 1 +16 |

Table D. -- Net volume of timber growth and cut, by type of timber and species group, 1957

| Type of timber | Timber growth and cut | Softwoods Hardwoods | | Total | |
|-----------------|--------------------------------------------------------|---------------------|----------------------|--------|--|
| | and have a second and a second and a second assessment | | Million cubic feet - | | |
| Large sawtimber | Growth | 67, 5 | 58, 7 | 126, 2 | |
| | Cut | 87. 2 | 69.9 | 157.1 | |
| | Net change | -19.7 | -11, 2 | -30.9 | |
| Small sawtimber | Growth | 128. 2 | 33, 8 | 162.0 | |
| | Cut | 129.1 | 28.9 | 158.0 | |
| | Net change | -0.9 | +4.9 | +4.0 | |
| Growing stock | Growth | 280. 9 | 123. 2 | 404.1 | |
| | Cut | 277.4 | 115.3 | 392,7 | |
| | Net change | +3.5 | +7.9 | +11.4 | |
| All timber | Growth | 296.5 | 140. 8 | 437, 3 | |
| | Cut | 288.5 | 121.5 | 410.0 | |
| | Net change | +8.0 | +19.3 | +27.3 | |

Severe Overcutting in Southern Coastal Plain

State-wide comparisons conceal significant differences in timber supply trends in various parts of the State. During the past 22 years, cutting in excess of growth has been especially severe in the Southern Coastal Plain. Here softwood inventory volume dropped 24 percent, growing stock 29 percent, and large softwood sawtimber 49 percent (table E). Somewhat less intensive cutting in relation to growth in recent years has resulted in some leveling off of this downward trend. The reduction in volume has not been so great during the past 11 years as between 1936 and 1947.

In contrast to the Southern Coastal Plain, timber cutting in relation to growth has been much less intensive in the Piedmont. Here total softwood volume increased 27 percent, and cutting in excess of growth reduced the volume of large sawtimber by only 6 per-

cent.

In the Piedmont, hardwood volume increased by nearly two-thirds and even the growth of large hardwood sawtimber was sufficient to replace the cut.

Timber trends in the Northern Coastal Plain follow closely the trends for the entire

State.

Softwood Growth Increases

Changes in timber volume have markedly affected the amount and kind of timber that can be cut without exceeding growth. Since inventory volume has dropped, current growth will sustain a smaller cut from large, high-quality timber.

But growth will replace a substantially larger cut from smaller and lower quality softwood timber. Between 1936 and 1957, softwood growth increased 38 percent. Part of this increase can be attributed to faster diameter growth, but most of it reflects the rapid buildup in number of small trees. In the 22-year period, the number of trees in the 2-inch d. b. h. class jumped from 663 million in 1936 to 1,326 million in 1958, an annual increase of over 30 million trees. This growing backlog of saplings has the effect of increasing the contribution of small trees to total growth (ingrowth). The number of softwood trees reaching 5.0 inches annually has increased from 31 million in 1936 to 54 million in 1957.

The increase in both average growth rate and number of small trees reflects improvement in fire protection. In the late thirties and early forties, uncontrolled fire swept through about a million acres of forest land annually, killing countless pine seedlings and saplings and reducing the growth of the larger trees that survived. Area burned dropped sharply after 1945, when fire protection was extended to the entire State. During the 3-year period, 1956-1958, the annual burn averaged only 51,000 acres.

The reversion of abandoned cropland to forest also contributed substantially to the increase in small pine timber. Between 1936 and 1958, the reversion of cropland to forest, usually to pine, exceeded land clearing by 1.3

million acres.

The low initial density of these old-field pine stands and the heavy and frequent cutting of the stands may have contributed also to the increase in diameter growth.

Table E. --Percent change in timber volume between 1936 and 1958, by type of timber, species group, and Survey Unit

| Type of timber | Species group | State | Southern Coastal Plain | Northern Coastal Plain | Piedmont |
|-----------------|---------------|-------|---------------------------|---------------------------|----------|
| Large sawtimber | Softwoods | -30 | -49 | -24 | -6 |
| | Hardwoods | -16 | -25 | -18 | +7 |
| Small sawtimber | Softwoods | -6 | - 19 | -7 | +10 |
| | Hardwoods | +14 | +5 | +3 | +60 |
| Growing stock | Softwoods | -6 | -29 | -6 | . +21 |
| | Hardwoods | +8 | -4 | 0 | +50 |
| All timber | Softwoods | -1 | -24 | -1 | +27 |
| | Hardwoods | +16 | ~3 | +11 | +64 |

Decrease in Hardwood Growth

In contrast to softwoods, hardwood trees are growing slower now than in 1936. As a result, net volume of growth has dropped slightly, the increase in volume having failed to compensate for the decline in diameter

growth.

This reduction in diameter growth reflects the increase in hardwoods on upland sites not suited to growing hardwoods, and the increasing density of hardwood stands, especially the younger stands, which receive little or no cutting. Increase in density not only intensifies the competition among the trees in the main canopy, but increases the number of overtopped trees in the understory. These overtopped hardwoods, unlike pine, which die soon after they are crowded out of the main canopy, survive and grow very slowly for many years. Thus, if the less thrifty trees are not removed, the natural development of hardwood stands will result in a gradual decrease in the average diameter growth rate.

This drop in hardwood growth has not seriously affected the timber supply outlook. The reduction was moderate and confined almost entirely to small timber. In 1957, net growth of this kind of timber was still sufficient to replace the cut and mortality.



Large trees for high-quality lumber and construction timber are becoming more difficult to find.





Since 1936, the supply of small pine timber has increased substantially.



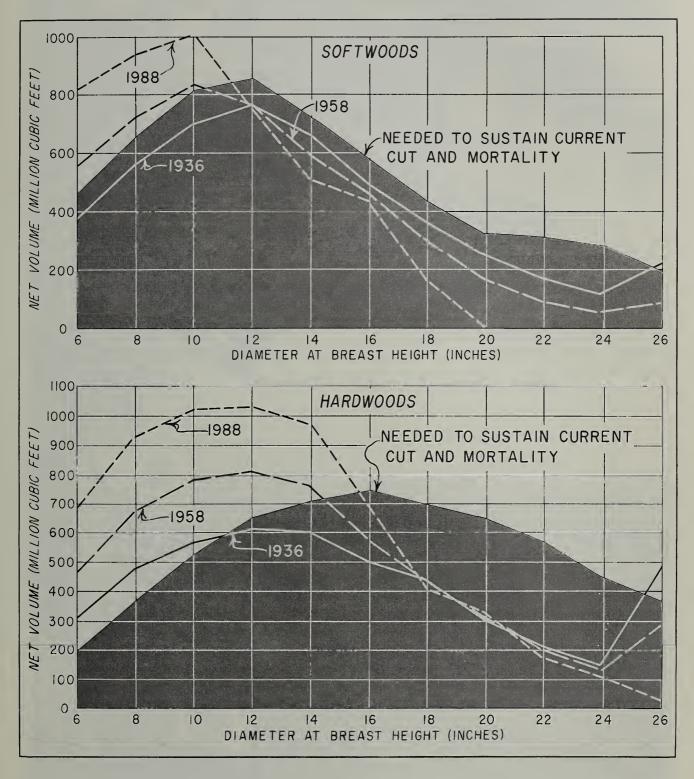


Figure 3.--Total volume of timber is increasing but the average size is decreasing. Neither the current nor the projected stand will provide the growth needed to replace current cut and mortality.



THE TIMBER SUPPLY OUTLOOK

On Basis of Past Trends

A continuation of past trends in timber volume has far-reaching implications to forest industries, especially to industries dependent upon large timber. Prospective growth based on a continuation of the past average annual change in timber volume by diameter class would sustain a substantial increase in the total cut, but it would not sustain the current size-class distribution of even the present cut. Total softwood volume, of course, would remain about the same, but even assuming no change in current diameter growth and mortality rates, a continuation of the buildup in small timber would result in increasing total softwood growth from 296 million cubic feet in 1958 to 359 million cubic feet in 1988 - an increase of 21 percent. This is an increase of 32,000 cords a year. If past trends continue, this increase in growth will permit increasing the cut at a substantially faster rate than it has increased over the past 22 years.

While total cut could be increased, much less growth would be available to replace the cut of large timber. The volume of softwood timber in trees 19.0 inches and larger would not sustain the average annual change for 30 years; the volume of this size timber, even with the gradual reduction in annual cut implied by a constant annual change, would be depleted before 1988 (fig. 3). The volume of timber 15.0 inches and larger would be greatly reduced. This size timber would contribute only 10 percent of the total growth in 30 years, compared to 24 percent in 1958 and 35 percent in 1936. By comparison, in 1957 a third of the total softwood

cut came from large sawtimber.

A continuation of past trends in hardwood volume would result in an increase in both inventory volume and growth. But like softwoods, growth available to replace the cut of large timber would be greatly reduced. The growth of timber 15.0 inches and larger would increase, but even by 1988 growth would still not be sufficient to replace even the current cut, especially in view of the trend in timber quality.

The present timber supply will not sustain the size class distribution of the current cut; moreover, the possibility of making adjustments in the cut that would eventually permit timber volume to build up enough to sustain the current cut appears highly remote. Even if self-imposed regulation of the cut by hundreds of forest industries were feasible, the drastic adjustments required would be highly disruptive to the State's forest economy. For softwoods, the total cut would have to be reduced initially by 9 percent to permit the required buildup to take place in 30 years. The cut of timber 15.0 inches and larger would have to be reduced by more than 50 percent.

Adjustments in the hardwood cut would have to be even greater. At first, very little hardwood timber 15.0 inches and larger could be cut. And for hardwood timber 17.0 inches and larger, current net annual growth is less than the average annual increase needed to build up the inventory volume to the required level in 30 years.

Clearly, then, adjustments in the cut offer little hope of preventing forest industries from being forced to rely more and more on small, low-grade timber for their raw material.

Prospective Changes in Timber Cut

Although it is highly unlikely that past trends will continue unchanged, these trends and their long-term implications provide a valuable guide to the future. They reveal opportunities to reinforce desirable trends and reverse or minimize the undesirable. Many forces now at work will influence future trends in both timber cut and growth. A projection of the past 22-year trend in softwood timber cut in South Carolina to 1988 is only 10 percent greater than the present cut. If the timber is available, the chances are good that softwood timber cut will increase much faster than this. The short-run outlook is for a substantial increase in timber cut for pulpwood. Recent and planned expansion of pulping facilities in and near South Carolina could add more than a million cords to the annual cut of pine. The annual increase in growth will replace an annual increase in cut of about 32,000 cords. Serious overcutting and reduction in growth could consequently occur unless this increase in cut is spread out over a long period.

Continued rise in demand for pine is also highly probable in the light of the long-term outlook. A recent estimate by the U. S.

Bureau of Census indicates that the nation's population will increase 26 percent between 1959 and 1975. Because of the rise in standard of living, the need for raw materials has risen even faster than the increase in population. With the cutting out of the oldgrowth timber in the West, moreover, the U. S. as a whole will look more and more to states like South Carolina, with its large area of forest land, rapid growth rates, and nearby markets, to supply an increasingly large share of the timber needs. Thus, the cut of softwood timber may be expected to rise at least as fast as the growth, making the prospect of a growth surplus and a buildup in inventory volume highly unlikely in the foresee-able future.

Hardwood timber cut has dropped since 1936. In the light of the upward trend in hardwoods used for lumber, pulpwood, and veneer, the chances are good that this downward trend will be reversed. The hardwood cut will probably increase but perhaps not so fast as the cut of pine.

Prospective Changes in Timber Growth

Between 1936 and 1957, total softwood growth increased 38 percent, mainly in the small trees. Continued increase in growth depends upon at least maintaining the present inventory volume, continued increase in diameter growth, and continued increase in number of small trees. Although diameter growth increased 10 percent between 1936 and 1957, there is little basis for anticipating a significant change in diameter growth in the future; increasing density of the stands may be expected to depress diameter growth, but this probably will be largely offset by more frequent thinnings and stand improvement

Trends in growth are very closely associated with the number of seedlings becoming established each year. Since 1936, the establishment of new pine seedlings or regeneration has more than kept pace with the increase in growth. The number of 2-inch softwoods increased at an annual rate of 30,120,000 trees over the 22-year period between surveys.

Continuation of this upward trend in natural pine regeneration is not likely, since conditions favorable to the natural regeneration of pine are not as prevalent now

as they were in the late thirties and early forties. Uncontrolled fire, which annually killed millions of seedlings, also temporarily created conditions favorable to natural pine regeneration. With the improvements in fire protection, thousands of acres which formerly were kept poorly stocked by repeated fire became stocked with pine. However, areas that did not readily restock with pine reverted to low-quality hardwoods. Also, thousands of acres of pine stands, when cut over, did not come back to pine but reverted to hardwoods. Thus, in spite of the widespread invasion of pine on over a million acres of old cropland, the reversion of pine to hardwood type offset the increase in pine type by a substantial margin. The area of pine and oak-pine type dropped 17 percent, while the area of hardwood type increased 89 percent. In 1936, pine and oak-pine types covered 73 percent of the forest area, compared to 54 percent in 1958 (fig. 4).

Currently, partly because of better fire protection, conditions on very little of the forest land cut over annually favor natural pine regeneration. Because of this tendency for forest land to be taken over by shrubs and hardwoods very soon after cutting, the area of forest land with conditions favoring natural pine regeneration is small; in 1958, only 47,000 acres of recently cut upland sites had both an adequate pine seed source and

a favorable seedbed.

The 1.4 million acres of idle or abandoned cropland represent most of the land favorable to the natural regeneration of pine. The trend in this kind of land, however, is down. The area of abandoned farmland about doubled between 1936 and 1947, but dropped 10 percent between 1947 and 1958.

In view of the growing population and the greater need for cropland, pasture, and land for building sites, roads, reservoirs, and rights-of-way, the area of abandoned farmland available for timber production will probably decrease. While the land devoted to urban and other related uses is still small, the area used for these purposes increased 37 percent between 1947 and 1958.

Without action to offset this rising trend in conditions unfavorable to natural pine regeneration, a continuation of the past upward

trend in pine growth is unlikely.

Total hardwood growth may be expected to more than keep pace with the total cut, but in the absence of a substantial increase

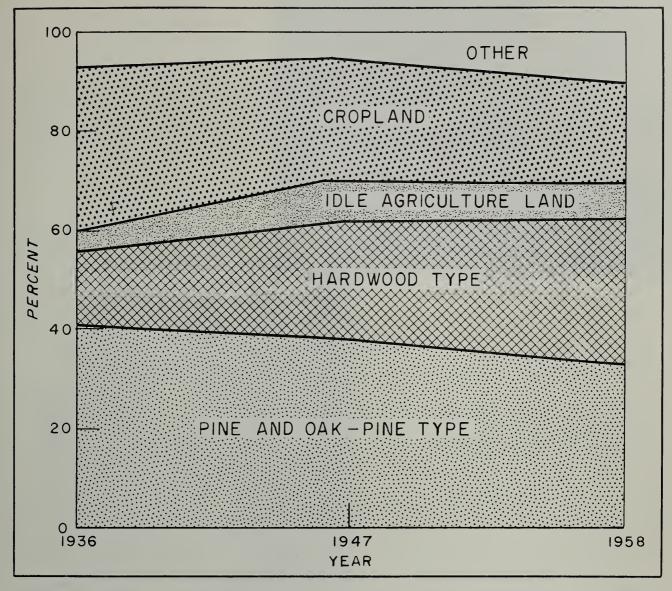


Figure 4. -- The invasion of hardwoods into pine stands has more than offset the reversion of idle agricultural land to old field pine.

in stand improvement measures, the quality of hardwood timber will continue to decline.

Mortality and Its Effect on Outlook

The volume in trees that die each year offsets a substantial part of the gross annual growth; in 1957 this mortality reduced gross softwood growth by 26 percent and hardwood growth by 45 percent. A certain amount of mortality is, of course, part of natural development in unmanaged timber stands. As trees increase in size, some must die to make room for growth and development of those

that remain. For example, according to stocking standards used by the Forest Survey, only 115 well-spaced 12-inch trees are needed to stock an acre, compared to 400 6-inch trees. Hence, mortality during the time it takes these trees to grow from 6 to 12 inches can remove up to 285 trees without reducing the optimum stocking.

A study of growth and cut in relation to net change in inventory volume over the past 22 years provides no evidence of abnormally high mortality rates in South Carolina as a whole. Volume losses due to mortality averaged 2.2 percent of the inventory volume for softwoods and 2.5 percent for



Uncontrolled fires in the late 30's and early 40's kept thousands of acres of pine land poorly stocked.





With improved fire protection, small pines rapidly filled in the many forest openings created by frequent burning.





hardwoods. A mortality rate as high as 3.7 percent for softwoods, if distributed evenly, would not have reduced the stocking. However, in some areas, notably in the Piedmont, where littleleaf disease is especially prevalent, concentrated losses have virtually eliminated shortleaf sawtimber. Except in shortleaf pine stands, the state-wide mortality rate does not appear to be excessive for the State's predominantly unmanaged pine stands.

The hardwood mortality rate was slightly in excess of the normal rate of 2.2 percent. This probably reflects the effect of overstocking in many hardwood stands, and not a re-

duction in hardwood stocking.

While the present state-wide mortality rate is not excessive for unmanaged stands, it is high for managed stands. Much of this mortality can be anticipated if trees are

utilized in thinnings and improvement cuts before they die, and in fact this premortality salvage of littleleaf trees has minimized losses from the disease. In future, much of the loss from littleleaf can be eliminated by early harvest of shortleaf on sites especially susceptible to the disease, followed by conversion to less susceptible species such as loblolly pine.

The total volume in pine trees that die throughout the State each year amounts to more than a million cords. Much of the dead timber is so widely scattered throughout the stands that very little of it is salvaged in the course of normal harvest operations. The utilization of more of this mortality through salvage of dying or recently killed timber could add several hundred thousand cords to the annual net growth.

The threat of abnormal or catastrophic mortality by such agents as fire, insects, disease and wind is ever present and must be taken into account in evaluating the growth outlook. Vigilance is needed to detect incipient flare-ups so that prompt action can prevent or minimize loss and safeguard investment. The recently discovered preval-

ence of *Fomes annosus* root rot in many thinned slash pine plantations is an example. Similarly, sign of a buildup in pine bark beetle should be watched and action taken to prevent large-scale tree killing. Also, where timber loss cannot be anticipated or prevented, such as in the case of damage from wind or fire, prompt salvage operations can reduce the impact.



Reseeding of thousands of acres of idle cropland to pine also reinforced the supply of small pine timber.



With the reversal of the upward trend in idle cropland and the increase in low-quality hardwoods, the outlook for natural pine regeneration is not nearly so favorable now as it was 10 years ago.





MANY WAYS TO IMPROVE TIMBER SUPPLY OUTLOOK

In the light of past and prospective trends there appears to be room for some expansion of industries able to use small, low-quality timber, but industries dependent upon large, high-quality timber will find this type of material increasingly hard to locate. Opportunities for expansion will be highly dependent upon maintaining or improving the growth-cut balance, which will mean, on one hand, keeping the annual increase in cut below the annual increase in growth, and, on the other hand, taking advantage of the many opportunities to increase the productivity of forest land.

Forests cover 12 million acres, or 62 percent of the total land area in the State. Practically all this area will grow high-quality timber, but on over half of the commercial forest land timber-growing capacity is being wasted (table F). In 1958, the State had 8.5 million acres of upland sites capable of growing pine. This does not include the 200,000 acres of the best upland sites now growing hardwoods, which can grow either high-quality pine or hardwoods. Practically all of this upland area grew pine at one time or another in the past, but now only 3.0 million acres is well stocked with pine. Another 432,100 acres is medium- to wellstocked with pine, and conditions favor full stocking without treatment in a comparatively short time.

About half of the 3.4 million acres of the sites best suited to growing hardwoods, mainly lowland hardwood sites, is well

stocked.

Opportunities to Improve Current Stands

South Carolina has 2.8 million acres of forest land medium- to well-stocked with pine or hardwood growing stock, but the outlook for further improvement in stocking is very poor because of the presence of such unwanted material as shrubs, culls, and low-quality hardwoods.

On 1.3 million acres where pine stocking is between 40 and 70 percent, hardwoods and shrubs control 20 percent or more of the area. These stands have a high potential productivity; average stocking of pine 1.0 inch and larger is 47 percent. But hardwoods 1.0 inch and larger control 34 percent of the

Table F. --Commercial forest area by major type of action needed to increase productivity, 1958

| Type of action needed | Commercial forest area | |
|------------------------------------------------|------------------------|----------------|
| | Thousand acres | Percent |
| No action needed: | | |
| Pine stands Hardwood stands | 3, 443. 8 1, 679. 3 | 28. 8 14. 1 |
| Total | 5, 123. 1 | 42.9 |
| Stand improvement: | | |
| Pine stands Hardwood stands | 1, 293. 1 1, 518. 3 | 10.9 12.7 |
| Total | 2,811.4 | 23.6 |
| Regeneration to pine: | | |
| Without site preparation With site preparation | 458.8 3,541.6 | 3. 8 29. 7 |
| Total | 4,000.4 | 33. 5 |
| All commercial forest area | 11, 934. 9 | 100.0 |

area. The desirable hardwood stocking averages only 7 percent; the remaining hardwoods are either culls or species which, as a rule, do not develop into high-quality timber on these upland sites.

This undesirable timber makes up 2.7 cords out of the total average volume of 10.6 cords per acre (table G). Of the material that should be removed, only 269 board feet per

acre qualify as sawtimber.

Currently, landowners will find it difficult to sell very much of this type of material; usually they will have to deaden these unwanted trees. Some idea of the size and character of the stand improvement job is shown by the number and size of undesirable trees:

| | Undesirable trees |
|---------------|-------------------|
| Size of trees | per acre |
| (Inches) | (Number) |
| 11.0 plus | 5 |
| 3.0 to 11.0 | 83 |
| 1.0 to 3.0 | 303 |

¹ Lotti, Thomas. Growing loblolly pine in the South Atlantic states. U. S. Dept. Agr. Farmers' Bul. 2097, 33 pp., illus. 1956.

Table G. --Net volume per acre, by size and type of timber, of medium-to-well-stocked pine stands needing stand improvement, 1958

| Size of timber (Inches d. b. h.) | Softwoods | | Preferred hardwoods | | Culls other ha | and rdwoods | To | tal |
|----------------------------------|-----------|---------|------------------------|---------|-------------------|----------------|-------|---------|
| | Cords | Bd. ft. | Cords | Bd. ft. | Cords | Bd. ft. | Cords | Bd. ft. |
| 15.0 + | 1.7 | 757 | 0.4 | 169 | 0.6 | 130 | 2.7 | 1,056 |
| 11.0 + | 3. 7 | 1,453 | . 7 | 251 | 1.3 | 269 | 5.7 | 1,973 |
| 9.0 + | 4.9 | 1, 833 | . 8 | 251 | 1.7 | 269 | 7.4 | 2,353 |
| 5.0 + | 6.8 | | 1.1 | | 2.7 | | 10.6 | |

Many hardwood stands even on the best hardwood sites also need stand improvement. On nearly half of the 3.4 million acres of lowland forest area, the area best suited to growing hardwoods, culls control 20 percent or more of the area. Cull timber in these stands averages 3.6 cords per acre, or 27 percent of the total volume. Moreover, the least desirable species contain a large share of the growing stock volume (table H). Thus, in many instances stand productivity would be improved not only by removing the culls, but also by removing some of the poorerquality trees that barely qualify as growing stock, especially where they are interfering with the development of better-quality trees.

Opportunities to Establish New Stands

An increase in planting and in measures to improve conditions favoring natural regeneration will be needed to offset the generally unfavorable outlook for natural pine regeneration. Until recently, planting played a minor role in forest regeneration. Between 1950 and 1955, the average distribution of 28 million pine seedlings a year accounted for only 10 percent of the number of seedlings that must be established annually to sustain

current softwood growth. Since 1955, planting has increased rapidly; for instance, during the 1958-59 season 166 million pine seedlings were set out.

South Carolina has plenty of land on which pine could be established. On 4 million acres of upland sites capable of growing pine, both current and prospective growth of either pine or good-quality hardwoods is very low. Pine stocking is less than 40 percent, seed source is inadequate, and shrubs, culls, and other worthless hardwoods control 20 percent or more of the area (table I).

The 1.4 million acres of idle and abandoned farmland represents still another important potential source of land available to grow pine. Not all of this land may be available for timber production; some may be returned to crops, some may be converted to improved pasture. But in the past, a large share of this land was not put to other uses and was allowed to revert to forest. This area should be planted to assure prompt, full stocking of desirable trees.

Altogether, land potentially available for planting to pine adds up to 5.4 million acres. About a third of this area could be planted without preparation; the remainder requires site preparation.

Table H. --Net volume per acre, by size and type of timber, of lowland hardwood sites with 20 percent or more of the area controlled by culls, 1958

| Size of timber (Inches d. b. h.) | Preferred species | | Other hardwoods | | Ct | ılls | To | tal |
|----------------------------------|-------------------|---------|-----------------|----------------|-------------|---------|-------|---------|
| | Cords | Bd. ft. | Cords | Bd. ft. | Cords | Bd. ft. | Cords | Bd. ft. |
| 15.0 + | 1.4 | 618 | 2.0 | 814 | 1.3 | | 4.7 | 1,432 |
| 11.0 + | 2.7 | 1,048 | 3.7 | 1, 322 | 2.2 | | 8.6 | 2,370 |
| 5.0 + | 3.9 | 1,094 | 5.6 | 1, 3 22 | 3. 6 | | 13. 1 | 2,416 |

How fast this pine land should be planted depends on future trends in both timber needs and conditions favoring natural pine regeneration. Each year, cutting adds over 200,000 acres to the planting job. In light of mounting demands for wood and probable deterioration in conditions favoring natural pine regeneration, planting should be maintained at a high level until the next Forest Survey, planned in 7 to 10 years. At that time, the need for future planting can be evaluated in accordance with trends.

Table I. --Land area available for planting to pine, by type of land, 1958

| Type of land | Area |
|-----------------------------------------------------|-----------|
| | Thousand |
| | acres |
| Without site preparation: | |
| Commercial forest area, 1957 Annual increase due | 420.7 |
| to cutting, 1957 Idle and abandoned | 38. 1 |
| cropland, 1958 | 1,423.4 |
| Total, 1958 | 1,882.2 |
| With site preparation: | |
| Commercial forest area, 1957 Annual increase due | 3, 358.4 |
| to cutting, 1957 | 183.2 |
| Total, 1958 | 3, 541. 6 |
| All types, 1958 | 5, 423.8 |



Over most of South Carolina, forests dominate the landscape. Available for the production of timber is 12 million acres or 62 percent of the total land area in the state.



About half a million acres of forest land is unproductive because of sparse stocking. But much more serious is the 50 percent of the State's forest land where low-quality trees and shrubs prevent growth of worthwhile timber.





Only 43 percent of the forest land is well stocked--3.4 million acres with pine and 1.7 million acres with hardwoods.





Productivity of 2.8 million acres can be improved by removing the low-grade material. But 3.5 million acres has very little potential. Complete removal of the present low-grade material will usually be needed prior to measures to regenerate the stands.





Large numbers of pine seedlings will be needed to restock the areas that do not readily seed in to pine.





By far the largest share (3.5 million acres) of the land in need of regeneration requires first of all the removal of unwanted vegetation. Planting will usually be required following site preparation.



Prompt planting of abandoned farmland will very often mean the difference between incomplete stocking with lowquality trees and prompt full stocking with high-quality timber.









OWNERS OF SMALL TRACTS CONTROL FUTURE TRENDS

The volume and kind of timber available to forest industries in the future will depend to a very large extent upon the action individual private forest landowners take to increase the productivity of the forest land they own. By far the largest share of the cut now comes and will continue to come from relatively small tracts of timber owned by thousands of individual owners whose interests are not directly connected with forest industries. Over 100,000 farmers own 57 percent of the commercial forest land and 52 percent of the timber volume. Their lands in 1957 supplied forest industry with 58 percent of the softwood timber cut. An additional 20 percent of the forest land is owned by about 12,000 miscellaneous nonfarm owners, including bankers, lawyers, merchants, doctors, and housewives. In 1957, 21 percent of the softwood cut came from these lands. Fourteen percent of the forest land is owned by 732 forest industries; timber cut from these lands contributed 14 percent of the softwood cut in 1957. Publiclyowned forest land (about half of it national forest land) accounts for only 9 percent of the total and in 1957 supplied only 6 percent of the softwood cut (table J). Clearly, South Carolina must look to these thousands of small private landowners for about 80 percent of the softwood cut.

These lands, which must supply the bulk of the future cut, are not so productive as either public lands or land owned by forest industries. The average sawtimber growth on public land is 19 percent higher than the

average for all forest land, 23 percent higher than private farm, and 28 percent greater than miscellaneous nonfarm (table K). Average sawtimber growth per acre on industrial forest land is very nearly as high as on public land. In fact, in terms of volume per acre of timber 5.0 inches and larger (growing stock), growth on land owned by forest industries exceeds the average for public land by 14 percent. Growth per acre on public land is only slightly better than the average.

Not only are private farms and miscellaneous nonfarm tracts less productive than public and forest industry lands, but the growth-cut relationship is less favorable. While softwood growth on public and forest industry land exceeds the cut by a substantial margin, softwoods on other forest land are being overcut, especially land owned by farmers, where 1957 cut exceeded growth by 10 percent. Thus, until growth on these lands can be increased and a more favorable growth-cut balance achieved, there is no room for the expansion of industries that must depend primarily on these lands for their timber supply.

The lower productivity of private farm and miscellaneous ownerships can be traced in part at least to poorer stocking on these lands. The average volume per acre of 2,969 board feet per acre on public land is 24 percent above the average for all land and 38 percent above the average for private farms (table L).

Table J. --Commercial forest land, softwood timber growth, and cut, by ownership

| Ownership | Forest a | Forest area, 1958 | | owth, 1957 | Timbe | r cut, 1957 |
|-----------------|----------------|-------------------|-----------------|------------|-----------------|-------------|
| | Thousand acres | Percent | Million cu. ft. | Percent | Million cu. ft. | Percent |
| Public | 1,059.5 | 8, 9 | 27.3 | 9.7 | 16.3 | 5.9 |
| Private: | | | | | | |
| Forest industry | 1,671.3 | 14.0 | 50.1 | 17.8 | 39.6 | 14.3 |
| Farm | 6,810.5 | 57.1 | 146.9 | 52.3 | 162.2 | 58.5 |
| Miscellaneous | 2, 393.6 | 20.0 | 56.6 | 20.2 | 59.3 | 21.3 |
| Total | 10,875.4 | 91.1 | 253.6 | 90.3 | 261.1 | 94.1 |
| All ownerships | 11, 934. 9 | 100.0 | 280.9 | 100.0 | 277.4 | 100.0 |

Table K. --Net volume and gross growth per acre on commercial forest land, by ownership and species group, 1958

| Ownership and species group | Net | t volume per a | cre | Gross growth per acre | | | |
|------------------------------------------|----------------|------------------|--------------|-----------------------|----------------|--------------|--|
| | Bd. ft. | Cu. ft. | Cords | Bd. ft. | Cu. ft. | Cords | |
| Public: | | | | | | | |
| Softwood Hardwood | 2,279 690 | 633.2 255.1 | 8. 5 3. 5 | 173 33 | 39.9 12.0 | 0.6 0.2 | |
| Total | 2,969 | 888.3 | 12.0 | 206 | 51.9 | 0.8 | |
| Private: | | | | | | | |
| Forest industry: Softwood Hardwood | 1,598 1,298 | 466.3 424.7 | 6. 3 5. 7 | 127 67 | 40.3 18.7 | 0. 6 0. 3 | |
| Total | 2,896 | 891.0 | 12.0 | 194 | 59.0 | 0.9 | |
| Farm: Softwood Hardwood | 1,081 1,071 | 319. 6 368. 1 | 4. 3 5. 0 | 107 61 | 28. 6 20. 0 | 0. 4 0. 3 | |
| Total | 2,152 | 687.7 | 9. 3 | 168 | 48.6 | 0.7 | |
| Miscellaneous; Softwood Hardwood | 1,229 1,231 | 373. 1 388. 2 | 5. 1 5. 2 | 106 55 | 31.6 17.6 | 0. 5 0. 3 | |
| Total | 2,460 | 761.3 | 10.3 | 161 | 49.2 | 0. 8 | |
| All ownerships: | | | | | | | |
| Softwood Hardwood | 1,289 1,101 | 378. 7 370. 0 | 5. 1 5. 0 | 115 58 | 31.8 18.6 | 0. 5 0. 3 | |
| Total | 2,390 | 748.7 | 10.1 | 173 | 50.4 | 0.8 | |

Part of this difference in stocking and average annual growth per acre between classes of ownership reflects differences in site quality. Forest industry lands tend to be the most productive lands in the State; 57 percent of the forest land in this ownership class is classed as good, compared to only 40 percent for private farm and 38 percent for miscellaneous private (table M). Sites on forest industry lands average 8 percent higher than the average for all forest lands in the State.

The better growth and stocking on public land, however, cannot be attributed to superior sites. The average site index is just about the same as the average for all forest land. Public lands have been under management much longer than areas recently acquired by pulp companies, and for this reason are currently more productive. Potentially, these industrial lands are among the most productive in the State, and under continued good management should outproduce

the national forest lands. While 18 percent of the public forest land is classed as poor site, only 9 percent of the industrial forest land is classed as poor site.

Amount and kind of timber that will be available to forest industries in South Carolina depend very largely upon the action private forest landowners take to increase productivity of their land. Farmers and other miscellaneous owners not connected with forest industries own 77 percent of the total commercial forest area. Educational efforts of the State Extension Foresters and County Agricultural Agents, and on-the-ground technical woodland management assistance provided by Service Foresters of the State Forestry Commission and of industrial associations are helping these landowners to practice better forestry. Federal cost sharing with landowners for tree planting and timber stand improvement provided through the Agricultural Conservation Program is also contributing to better forestry. Yet, in spite

of this effort, the small private ownerships include 81 percent of the forest land that would profit from treatment (table N).

The above percentages reflect the large area in farm ownership in the State and the poorer condition of farm woodlands. Sixty-two percent of the farm woodlands are in need

of treatment, compared to 46 percent of the publicly-owned forest land and 48 percent of the forest land owned by forest industries (table O). The principal challenge in South Carolina is getting the thousands of small landowners not connected with forest industries to grow more and better-quality timber.

Table L. -- Commercial forest land, by ownership and stocking, 1958

| Ownership | Poorly s | stocked | Medium | stocked | Well s | tocked | То | tal |
|------------------------------------------|---------------------------|----------------------|---------------------------|----------------------|-------------------------------|----------------------|-------------------------------|-------------------------|
| | Thousand acres | Percent | Thousand | Percent | Thousand | Percent | Thousand | Percent |
| Public | 180.7 | 17.0 | 220.2 | 20.8 | 658.6 | 62.2 | 1,059.5 | 100.0 |
| Private: | | | | | | | | |
| Forest industry Farm Miscellaneous | 233.0 1,444.0 537.9 | 13.9 21.2 22.5 | 412.5 1,719.7 590.0 | 24.7 25.3 24.6 | 1,025.8 3,646.8 1,265.7 | 61.4 53.5 52.9 | 1,671.3 6,810.5 2,393.6 | 100.0 100.0 100.0 |
| Total | 2,214.9 | 20.4 | 2,722.2 | 25.0 | 5,938.3 | 54.6 | 10, 875.4 | 100.0 |
| All ownerships | 2, 395.6 | 20.1 | 2,942.4 | 24.6 | 6,596.9 | 55.3 | 11,934.9 | 100.0 |



Forest industries depend upon farm woodlots to supply 58 percent of the annual cut. Farmers own 57 percent of the forest area.

Table M. --Commercial forest land, by site quality and ownership, 1958

| Ownership | Good | site | Fair | site | Poor | site | To | tal |
|------------------------------------------|---------------------------|----------------------|-----------------------------|-------------------------|-------------------------|---------------------|-------------------------------------|-------------------------|
| | Thousand acres | Percent | Thousand acres | Percent | Thousand acres | Percent | Thousand acres | Percent |
| Public | 503.3 | 47.5 | 367.2 | 34.7 | 189.0 | 17.8 | 1,059.5 | 100.0 |
| Private: | | | | | | | | |
| Forest industry Farm Miscellaneous | 956.8 2,689.8 913.6 | 57.2 39.5 38.2 | 557.7 3,314.3 1,065.8 | 33. 4 48. 7 44. 5 | 156.8 806.4 414.2 | 9.4 11.8 17.3 | 1, 671. 3 6, 810. 5 2, 393. 6 | 100.0 100.0 100.0 |
| Total | 4,560.2 | 41.9 | 4,937.8 | 45. 4 | 1,377.4 | 12.7 | 10, 875.4 | 100.0 |
| All ownerships | 5,063.5 | 42.4 | 5, 305. 0 | 44.5 | 1,566.4 | 13, 1 | 11,934.9 | 100.0 |

Table N. --Commercial forest land needing regeneration, site preparation, and stand improvement, by ownership, 1958
(In thousand acres)

| | Needing re | generation | Needing stand | | |
|-----------------|--------------------------|-----------------------|---------------|-----------|--|
| Ownership | Without site preparation | With site preparation | improvement | Total | |
| Public | 25.5 | 258.2 | 193. 1 | 476.8 | |
| Private: | | | | | |
| Forest industry | 34.0 | 361.8 | 400.9 | 796.7 | |
| Farm | 275.4 | 2,254.2 | 1,675.1 | 4,204.7 | |
| Miscellaneous | 123.9 | 667.4 | 542.3 | 1, 333. 6 | |
| Total | 433.3 | 3, 283. 4 | 2,618.3 | 6, 335. 0 | |
| All ownerships | 458.8 | 3, 541. 6 | 2,811.4 | 6,811.8 | |

Table O. --Commercial forest area needing treatment, by type of ownership, South Carolina, 1958

| Ownership | Total | Needing treatment | | | |
|------------------------------------------|-------------------------------|-----------------------------|----------------|--|--|
| | Thousand acres | Thousand acres | Percent 1 | | |
| Public | 1,034.4 | 476.8 | 46 | | |
| Private: | | | | | |
| Forest industry Farm Miscellaneous | 1,672.5 6,827.2 2,400.8 | 796.7 4,204.7 1,333.6 | 48 62 56 | | |
| Total | 10,900.5 | 6, 335.0 | 58 | | |
| All ownerships | 11,934.9 | 6, 811. 8 | 57 | | |

^{1/} Percent of total acreage in type of ownership specified.



The future of South Carolina's forests is in the hands of the thousands of individual private owners of small woodland tracts. Farmers and other owners not connected with forest industries own three-fourths of the forest area in the state.



Appendix

ACCURACY OF FOREST SURVEY ESTIMATES

Forest resource information collected by the Forest Survey includes estimates based on sampling which have an associated sampling error. A large enough sample is taken to keep the sampling error below a specified minimum for forest area and timber volume. Nonsampling errors such as may arise from mistakes in judgment, measurement, recording, and compilation are kept to a minimum or eliminated through training, supervision, field check cruises, and complete editing and machine verification in compiling the data.

Forest Area

Estimates of forest area were based on the classification of 97,379 sample points systematically spaced on aerial photographs, followed by a ground check of 5,284 of these points, to provide the basis for making adjustments for changes in land use since the date of photography. The sampling error for the 12 million acres of forest area in the State is 0.5 percent.

Sampling errors for areas smaller than the State total and for forest proportions other than 61.5 percent can be obtained by referring to figures 5 and 6. For example, the sampling error of the forest proportion of 0.60 in the Southern Coastal Piain is 0.54 percent — from the lower curve from figure 6. Forest area in the Southern Coastal Plain includes 26 percent of the total forest area.

The appropriate multiplying factor of 1.9 is obtained from figure 5; the sampling error is 0.54 x 1.9, or 1.03 percent.

In like manner, the sampling error for the estimate of forest area in a county may be determined. The error for the forest proportion of 0.509 in Bamberg County is 0.64 percent (fig. 6). The multiplying factor for the proportion 0.011 (128.3÷11,934.9) is 9.6 (fig. 5). The sampling

error, then, is 9.6 x 0.64, or 6.1 percent.

Breakdown of Forest Area

State and Unit forest areas by ownership shown in table 2 of the Appendix are compiled from ownership records and do not have sampling errors. Other estimates of forest areas, such as forest area by forest type, stand size, stocking, and ownership by the above detail are based on the 4,021 ground plots and have a sampling error. Thus, ownership breakdowns based on the plots will differ slightly from those based on compilations from records.

Sampling error of forest area breakdowns depends upon the proportion that the breakdown is of the forest area and the proportion that the forest area is of the total forest area in the State. The sampling error for breakdowns for all forest area in the State may be obtained from the upper curve in figure 6. For example, the proportion of the forest area that is pine and oak-pine type in South Carolina is 6,483,700 acres ÷ 11,934,900 acres, or 0.543. The sampling error corresponding to this breakdown is 1.5 percent. This error includes the error for the estimate of the total forest area based on the average forest proportion of 61.5 percent.

The sampling error for the estimate of the area of pine and oak-pine type in the Southern Coastal Plain requires also the use of figure 6. The proportion of pine and oak-pine type is 0.50, which, if this was for the entire State, would give a sampling error of 1.6 percent. But the total commercial forest area in the Southern Coastal Plain is only 26 percent of the State total. The appropriate multiplying factor in figure 5 is 1.9. The sampling error is 1.6 x 1.9, or 3.0 percent.

The sampling error would be slightly higher if the forest proportion is lower than the State average of 61.5 percent and slightly lower if above this average. This difference through the range of forest proportions in the State represents a very small part of the total sampling error and for all practical purposes can be ignored.

Timber Volume

Estimates of inventory volume, growth, and timber cut are based on measurements recorded at 4,021 of the photo points classed as forest land. Sampling errors for the entire State and per billion are shown below:

| Estimate | Total | Per billion |
|-----------------------|--------------|-------------|
| | (Percent) | (Percent) |
| Inventory volume: | | |
| Cubic feet | ± 1.7 | \pm 5.1 |
| Board feet | ± 2.0 | ± 10.7 |
| Gross growth—cubic fe | $et \pm 1.3$ | ± 1.0 |
| Timber cut—cubic feet | | \pm 3.0 |
| | | |

Estimates for detailed breakdown or for areas covering less than the State have larger sampling errors. The sampling error for part of the total is obtained by applying the appropriate multiplying factor corresponding to the proportionate part of the total to the total error for the State (fig. 5). For example, the sampling error for the volume

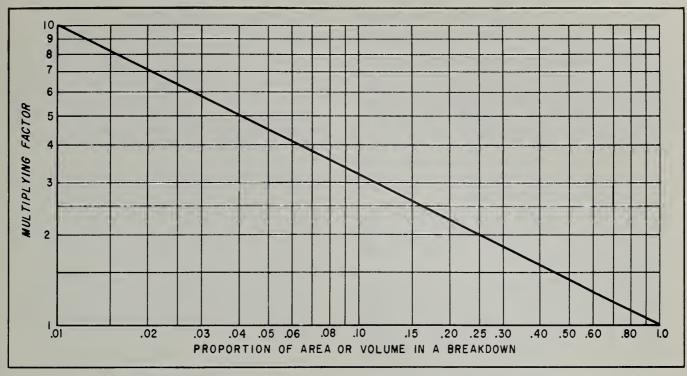


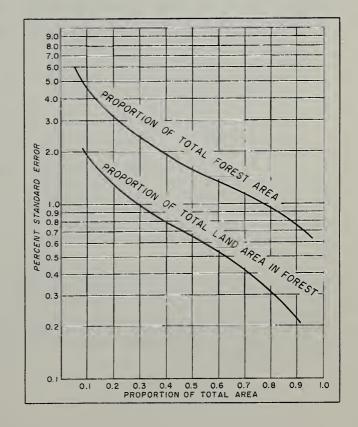
Figure 5. -- Ratio of standard error of an area (or volume) breakdown to percentage standard error of estimate of total area or volume.

of yellow pine in cubic feet is 1.7 x 1.45, or 2.5 percent. The multiplying factor of 1.45 corresponds to the proportion of yellow pine to the total volume (4,116.6÷8,936.1 million cubic feet, or 0.46). The sampling error for the 886.4 million cubic feet of yellow pine in the Southern Coastal Plain is

1.7 x 3.1, or 5.3 percent.

Sampling errors for net growing stock volume range from a low of 7.0 percent for Berkeley County with 7,157,000 cords to a high of 19.0 percent for Lee County with 929,000 cords. As a rule, the sampling errors for individual county statistics are too high to be useful; they are presented by county to permit adding any combination of counties together until the total is large enough to meet the desired degree of reliability. To obtain an estimate with a sampling error of 10 percent, data for enough counties must be added together to total about 3.5 million cords.

Figure 6. --Percent standard error by proportion of landarea and commercial forest area. Errors for the proportion of forest area are based on 4,021 ground locations; also includes error of total forest area based on 61.5 percent forest area. Errors for proportion of total land area are based on the classification of 97,379 photo points; errors include the effect of shifts in land use.



HOW THE FOREST INVENTORY IS MADE

Forest statistics in South Carolina were estimated from a double sampling scheme. A large number of points on aerial photos were examined and classified by land use. A much smaller subsample of these points was selected for examination on the ground. The detailed procedure was as follows:

1. Preliminary estimates of the acreage of land in forests and other land-use classes were obtained by classifying points printed on every third aerial photograph in alternate flight lines within a county. The proportion of points falling in each class was used to estimate the acreage. This estimate was later checked and revised through

the use of ground plots.

2. Ground sample plots were selected in a systematic manner from the forest land classifications made in Step 1, using an interval which would provide sufficient plots to meet established limits of error per billion cubic feet of timber. This resulted in a proportional sample of all exist-

ing timber stands. Field crews recorded measurements and observations on a variable plot with a basal area factor of 10 to obtain data on timber volume, quality, stocking, mortality, and timber cut. Samples of agricultural and other photo classifications were also checked on the ground to verify or adjust the area estimates based on these classifications.

3. Growth estimates were based on increment borings taken on all trees tallied. The volume of timber cut was computed from a tally of the stumps of trees cut on the plots during a specified period. Production surveys and utilization studies provided a breakdown of timber cut by

product.

4. All field data were sent to Asheville for editing and were placed on punch cards for machine computing, sorting, and tabulation. Final estimates were based on statistical summaries of the data.

DEFINITION OF TERMS

Land-Use Classes

Forest land: Includes (a) lands which are at least 10 percent stocked with trees of any size and capable of producing sawtimber or other wood products, and (b) lands from which the trees described in (a) have been removed to less than 10-percent stocking but which have not been developed for other use; subdivided into the following classes:

Commercial: Forest land which is (a) producing, or physically capable of producing, usable crops of wood (usually sawtimber), (b) economically accessible now or in the future, and (c) not with-

drawn from timber use.

Noncommercial: Forest land (a) withdrawn from timber utilization through statute, ordinance, or administrative order, but which otherwise qualifies as commercial forest land, or (b) incapable of yielding usable wood products (usually sawtimber) because of adverse site conditions, or so physically inaccessible as to be unavailable economically in the foreseeable future.

Nonforest land: Includes land under cultivation or in pasture where the timber has been cleared to less than 10-percent stocking, idle or abandoned agricultural land, marsh land, and land in urban, residential, or industrial areas, school yards, cemeteries, roads, railroads, and other rights-of-way.

Water: Includes lakes, bays, and estuaries over 40 acres in size, and streams, canals, and sloughs at least 1/8 mile in width, which are classed as "inland water" by the Bureau of the Census. Smaller lakes and ponds between 1 acre and 40 acres in size, and waterways between 120 feet and 660 feet in width, which are classed as land area by the Bureau of the Census, are also included as water areas.

Forest Types

Forest type is determined on the basis of cubic volume for all stand sizes except seedlings and saplings (stand size 4), in which case the number of stems is the criterion.

Yellow pine types: Forests in which 50 percent or more of the cubic volume or number of stems in the stand is longleaf, slash, loblolly, pond, shortleaf, or Virginia pine. In mixtures the predominating species determines the type.

White pine-hemlock type: Forests in which 50 percent or more of the cubic volume or number of stems in the stand is white pine or hemlock, singly or in

combination.

Hardwood-pine type: Forests in which 50 percent or more of the stand is in hardwoods, but in which southern yellow pine species make up 25 to 49 percent of the stand.

Oak-hickory type: Upland hardwood

forests in which 50 percent or more of the stand is composed of upland oaks, hickory, yellow-poplar, soft maple, and other associated hardwood species, except where yellow pines make up 25 to 49 percent, in which case the stand would be classified as oak-pine.

Maple-beech-birch type: Upland hardwood forests in which 50 percent or more of the stand is sugar maple, beech, or yellow birch, singly or in combination, except where yellow pines make up 25

to 49 percent of the stand.

Oak-gum-cypress type: Bottomland forests in which 50 percent or more of the stand is tupelo, blackgum, sweetgum, ash, lowland oaks, elm, soft maple, cypress, and other associated species, except where pines comprise 25 to 49 percent of the stand. In the mountains, flat areas of forest bordering streams may be given this classification. River birch, sycamore, willow, and alder are characteristic of such areas.

Site Quality

Site quality of pine and oak-pine types is based on the total height of pine at age 50 years. For loblolly pine and oak-loblolly pine types, an index of 60 feet or shorter is regarded as poor site, 70 fair site, and 80 and taller good site.

For other pine and oak-pine types, a site index of 50 feet or shorter is considered poor site, 60

fair site, and 70 and taller good site.

Site quality of hardwood types is based upon the number of 16-foot saw logs in hardwood trees at maturity. Sites capable of growing hardwoods with three or more saw logs are considered good sites, two logs fair sites, and one log and less poor sites.

Stand-Size Classes

Sawtimber: Stands containing at least 1,500 board feet net volume per acre, International ¼-inch log rule, in sound, live, softwood trees 9.0 inches d.b.h. or larger, or hardwood trees 11.0 inches d.b.h. or larger. Two classes of sawtimber stands are recognized:

Large sawtimber: Stands of sawtimber having more than 50 percent of the net board-foot volume in trees 15.0 inches

d.b.h. or larger.

Small sawtimber: Stands of sawtimber having 50 percent or more of the net board-foot volume in trees smaller than 15.0 inches d.b.h.

Poletimber: Stands failing to meet the minimum sawtimber specifications, but at least 10 percent

stocked with trees 5.0 inches d.b.h. or larger and with at least half the minimum stocking in pole-size trees.

Seedlings and saplings: Stands not qualifying as sawtimber or poletimber stands, but having at least a 10-percent stocking of trees of commercial species and with half the minimum stocking in seedlings and saplings.

Nonstocked and other areas: Forest areas not qualifying as sawtimber, poletimber, or seedling

and sapling stands.

Diameters

D.b.h. (diameter at breast height): Stem diameter in inches, outside bark, measured at 4½

feet above the ground.

Diameter class: All trees were tallied by 0.1-inch diameter classes and tabulated by 2-inch diameter classes, each class including diameters 1.0 inch below and 0.9 inch above the stated midpoint, e.g., trees 7.0 to and including 8.9 inches are included in the 8-inch class. Corresponding limits apply to other diameter classes.

Timber Quality Classification

Growing Stock

Sawtimber trees: Live softwood trees 9.0 inches d.b.h. or larger and hardwood trees 11.0 inches d.b.h. or larger, with a sound volume of at least 50 percent of the gross board-foot volume up to the point of minimum saw-log merchantability. To be considered sound, a saw log must be at least 8 feet long, must be at least 50 percent sound, and must meet the following additional requirements:

Softwood logs² must have a scaling diameter of 6 inches or more, and sweep or crook must not exceed one-third of the scaling diameter per 8 feet of log length.

Hardwood logs must have a scaling diameter of 8 inches or more and must pass specifications³ for standard lumber

logs or tie and timber logs.

Sound poletimber trees: Straight-boled trees between 5.0 inches d.b.h. and sawtimber size that can be expected to become sawtimber.

Sound saplings: Trees 1.0 inch to 4.9 inches d.b.h. which show promise of growing into saw-timber.

² For detailed specifications of log grades, see "Interim log grades for southern pine." Southern Forest Expt. Station, 18 pp. 1953.

³ For detailed hardwood log grade specifications, see "Hardwood log grades for standard lumber: proposals and results." U. S. Forest Products Laboratory, D1737. 1949.

Other Material

Sound cull trees: Live trees of all sizes that are unmerchantable for saw logs now or prospectively because of species, poor form, excessive limbiness, or other sound defect.

Rotten cull trees: Live trees of all sizes that are unmerchantable for saw logs now or prospectively

because of rotten defect.

Hardwood limbs: The limb volume of all hardwood sawtimber and cull trees to a minimum diameter of 4.0 inches inside bark.

Species Groups

Yellow pines: Includes loblolly, longleaf, slash, pond, shortleaf, pitch, Table-Mountain, Virginia pine, and spruce pine.

Other softwoods: White pine, hemlock, cypress,

eastern redcedar, and white-cedar.

Soft hardwoods: Blackgum, tupelo, yellow-poplar, sweetgum, cottonwood, soft maple, bass-wood, willow, elm, hackberry, sycamore, magnolia,

sweetbay, and black cherry.

Hard hardwoods: All the oaks, hickories, ash, beech, hard maple, birch, black walnut, black locust, honeylocust, mulberry, sourwood, dogwood, holly, and persimmon.

Volume Estimates

Board-foot volume: The volume in board feet, measured by the International ¼-inch rule, exclusive of defect, of that portion of sound saw-timber trees between the stump and the upper

limit of merchantability for saw logs.

Volume in cords: For sound trees the volume in standard cords (including bark) of the sound portion of trees 5.0 inches d.b.h. or larger, between stump and a minimum top stem diameter of 4.0 inches inside bark. Similar volumes are given for cull trees. The volume in limbs which are at least 4.0 inches in diameter inside bark is shown separately.

Volume in cubic feet: Cubic-foot volume of the same material shown in cords except that bark is

not included.

International ¼-inch log rule: A rule for estimating the board-foot volume of 4-foot log sections, according to the formula V=0.905 (O.22D² – 0.71D). The taper allowance for computing the volume in log lengths greater than four feet is 0.5 inch per 4-foot section. Allowance for saw kerf is ¼ inch.

Standard cord: A stacked pile, 4x4x8 feet, of

round or split bolts, estimated to contain, on the average, about 74 cubic feet of solid wood.

Growth and Timber Cut

Gross growth: The growth on trees that were of volume size at the beginning of the year and the ingrowth resulting from smaller trees growing into volume size during the year.

Mortality: The net volume in trees dying from

natural cause during the year.

Net growth: Gross growth minus mortality. In board feet: The change during the calendar year in sawtimber volume resulting from growth, ingrowth, and mortality losses.

In cubic feet or cords: The change during the calendar year in the volume of all trees 5.0 inches and larger resulting from growth, ingrowth, and mortality

losses

Timber cut: The volume of timber cut is based on the measurement and tally of stumps found on regular ground sample plots. Stumps of all trees cut during the past 3-year period are recorded and the measurements are converted into equivalent tree volume. The average yearly volume of timber cut for the 3-year period is then taken as the annual estimate. Board-foot volumes include the saw-log portion of all sawtimber-size trees which were cut. Estimates in cubic feet or cords include the entire stem from stump to 4.0-inch top of all sound trees 5.0 inches in diameter and larger. Timber cut from cull or dead trees is not included.

Stocking

Stocking is a measure of the degree to which growing space is effectively utilized by trees.

The stocking of trees tallied (trees 1.0 inch and larger) was based on crown measurements of sound, free-growing trees. Understory trees, trees with less than 50 percent of their crown area exposed to direct light from above, were not used in determining stocking. For softwoods, stocking was equal to 3 times the crown area for 2-inch saplings, 2 times the crown area for 4-inch saplings, and 1.7 times the crown area for trees 5.0 inches and larger. For hardwoods, stocking was equal to the crown area.

The stocking of sound seedlings is based on 10-milacre quadrats along a 1-chain transect. Each stocked milacre quadrat completely free from overtopped trees 1.0 inch and larger counted as

10-percent stocking.

Detailed Tables

Table 1.--Land area by class and Survey Unit, South Carolina, 1958

(In thousand acres)

| Land class | State | Southern Coastal Plain | Northern Coastal Plain | Piedmont |
|---------------------------------|----------|------------------------------|------------------------------|------------------------|
| Commercial forest land | 11,934.9 | 3,112.9 | 4,676.2 | 4,145.8 |
| Noncommercial forest land: | | | | |
| Unproductive forest land | 7.0 | | 2.7 | 4.3 |
| Productive-reserved forest land | 73.9 | 5.6 | 14.4 | 53•9 |
| Total forest | 12,015.8 | 3,118.5 | 4,693.3 | 4,204.0 |
| Nonforest land: | | | | |
| Cropland | 3,835.6 | 1,135.7 | 1,686.0 | 1,013.9 |
| Improved pasture | 743.5 | 164.4 | 171.8 | 407.3 |
| Idle or abandoned | 1,423.4 | 252.0 | 376.4 | 7 95 . 0 |
| Marsh or prairie ^{2/} | 709.7 | 338.6 | 324.6 | 46.5 |
| Urban and other 3/ | 676.5 | 168.3 | 234.0 | 274.2 |
| Total nonforest | 7,388.7 | 2,059.0 | 2,792.8 | 2,536.9 |
| All land4 | 19,404.5 | 5,177.5 | 7,486.1 | 6,740.9 |

^{1/} From U. S. Bureau of the Census, land and water area of the United States, 1950.

^{2/} Includes 182,500 acres of water according to Survey standards but defined by the Bureau of the Census as land area.

^{3/} Includes urban, suburban residential and industrial areas, rights-of-way, cemeteries, schools, etc.

^{4/} Adjusted to include 9,300 acres classified as water by the Bureau of the Census but as land by Forest Survey.

Table 2.--Commercial forest land by ownership and Survey Unit,

South Carolina, 1958

| State | Southern Coastal Plain | Northern Coastal Plain | Piedmont |
|----------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 566.3 | | 237•3 | 329.0 |
| | | | |
| | | | |
| | re en | | |
| 292.7 | 157.1 | 104.7 | 30.9 |
| 292.7 | 157.1 | 104.7 | 30.9 |
| | | | |
| 152.7 | 12.1 | 116.7 | 23.9 |
| 22.7 | 2.8 | 10.6 | 9.3 |
| 175.4 | 14.9 | 127.3 | 33.2 |
| | | | |
| 1,164.2 | 320.3 | 535.1 | 308.8 |
| 508.3 | 201.7 | 240.2 | 66.4 |
| 1,672.5 | 522.0 | 775.3 | 375.2 |
| 6,827.2 | 1,931.0 | 2,488.8 | 2,407.4 |
| 2,400.8 | 487.9 | 942.8 | 970.1 |
| 11,934.9 | 3,112.9 | 4,676.2 | 4,145.8 |
| | 566.3 292.7 292.7 292.7 152.7 22.7 175.4 1,164.2 508.3 1,672.5 6,827.2 2,400.8 | State Coastal Plain 566.3 292.7 292.7 157.1 292.7 157.1 152.7 22.7 2.8 175.4 14.9 1,164.2 320.3 508.3 508.3 201.7 1,672.5 522.0 6,827.2 1,931.0 2,400.8 487.9 | State Coastal Plain Coastal Plain 566.3 237.3 292.7 157.1 104.7 292.7 157.1 104.7 292.7 157.1 104.7 152.7 12.1 116.7 22.7 2.8 10.6 175.4 14.9 127.3 1,164.2 320.3 535.1 508.3 201.7 240.2 1,672.5 522.0 775.3 6,827.2 1,931.0 2,488.8 2,400.8 487.9 942.8 |

Table 3.--Commercial forest land by ownership, \(\frac{1}{2} \) stand size, and stocking, South Carolina, 1958

| Stand size and stocking | All ownerships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
|--------------------------------------------------|---------------------------|-----------------------|----------------------|---------------------------------------|------------------------|---------------------------|-------------------------|
| Large sawtimber stands: | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 1,451.8 635.1 221.3 | 155.1 21.4 11.1 | 8.3 19.9 5.0 | 17.5 2.5 | 264.8 125.5 35.2 | 743.0 319.8 101.3 | 263.1 148.5 66.2 |
| Total | 2,308.2 | 187.6 | 33.2 | 20.0 | 425.5 | 1,164.1 | 477.8 |
| Small sawtimber stands: | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 1,875.3 568.1 179.9 | 182.9 40.2 7.0 | 32.8 9.4 | 32·3 8·7 | 322.6 92.4 27.0 | 960.2 295.4 94.5 | 344.5 122.0 51.4 |
| Total | 2,623.3 | 230.1 | 42.2 | 41.0 | 442.0 | 1,350.1 | 517.9 |
| Poletimber stands: | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 2,125.1 882.5 506.7 | 76.0 16.2 | 36.4 2.1 3.1 | 31.9 20.9 13.1 | 283.0 88.9 44.7 | 1,259.6 592.8 333.8 | 438.2 161.6 112.0 |
| Total | 3,514.3 | 92.2 | 41.6 | 65.9 | 416.6 | 2,186.2 | 711.8 |
| Seedling and sapling stands: | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 1,140.2 842.2 759.5 | 10.5 9.6 14.0 | 51.8 50.1 30.6 | 23.1 21.7 19.9 | 155.4 105.7 55.9 | 679.5 497.2 472.9 | 219.9 157.9 166.2 |
| Total | 2,741.9 | 34.1 | 132.5 | 64.7 | 317.0 | 1,649.6 | 544.0 |
| Nonstocked and other areas | 747.2 | 4.9 | 31.9 | 37.6 | 70.2 | 460.5 | 142.1 |
| All classes | 11,934.9 | 548.9 | 281.4 | 229.2 | 1,671.3 | 6,810.5 | 2,393.6 |

¹/ Forest area by ownership is estimated from the ground samples. These estimates include a sampling error and for this reason differ slightly from areas compiled from ownership records shown in tables 2 and 37.

Table 4.--Commercial forest land by ownership, $\frac{1}{2}$ major forest type, and stocking, South Carolina, 1958

| Type and stocking | All ownerships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
|--------------------------------------------------|-------------------------------|-----------------------|-----------------------|---------------------------------------|---------------------------|-------------------------------|---------------------------|
| Pine types: | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 3,737.2 1,102.1 749.3 | 316.3 48.6 2.9 | 101.2 30.4 25.3 | 66.7 48.4 17.2 | 637.4 159.7 80.2 | 1,903.7 552.4 442.0 | 711.9 262.6 181.7 |
| Total | 5,588.6 | 367.8 | 156.9 | 132.3 | 877.3 | 2,898.1 | 1,156.2 |
| Oak-pine type: | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 610.9 319.9 164.2 | 39.1 15.6 2.9 | 3.1 4.1 3.1 | | 114.6 29.7 16.9 | 333.6 213.0 99.8 | 120.5 57.5 41.5 |
| Total | 1,095.0 | 57.6 | 10.3 | | 161.2 | 646.4 | 219.5 |
| Hardwood types: | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 2,248.8 1,520.4 1,482.1 | 69.1 23.2 31.2 | 25.0 47.0 42.2 | 38.1 2.9 55.9 | 273.8 223.1 135.9 | 1,409.5 954.3 902.2 | 433·3 269·9 314·7 |
| Total | 5,251.3 | 123.5 | 114.2 | 96.9 | 632.8 | 3,266.0 | 1,017.9 |
| All types: | | | | | - | | |
| Well stocked Medium stocked Poorly stocked | 6,596.9 2,942.4 2,395.6 | 424.5 87.4 37.0 | 129.3 81.5 70.6 | 104.8 51.3 73.1 | 1,025.8 412.5 233.0 | 3,646.8 1,719.7 1,444.0 | 1,265.7 590.0 537.9 |
| Total | 11,934.9 | 548.9 | 281.4 | 229.2 | 1,671.3 | 6,810.5 | 2,393.6 |

^{1/} Forest area by ownership is estimated from the ground samples. These estimates include a sampling error and for this reason differ slightly from areas compiled from ownership records shown in tables 2 and 37.

Table 5.--Commercial forest land by forest type and Survey Unit,

South Carolina, 1958

| Forest type | State | Southern Coastal Plain | Northern Coastal Plain | Piedmont |
|-------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------|--------------------------------------------------|-------------------------------|
| Softwood types: | | | | |
| Longleaf pine Slash pine Loblolly pine Shortleaf pine Pond pine Virginia pine | 723.0 199.1 2,819.4 1,235.8 495.8 115.5 | 353.1 172.3 567.9 49.1 162.5 | 369.9 26.8 1,284.2 85.1 333.3 4.3 | 967.3 1,101.6 111.2 |
| Total | 5,588.6 | 1,304.9 | 2,103.6 | 2,180.1 |
| Hardwood types: | | | | |
| Oak-pine Oak-hickory: | 1,095.0 | 266. 8 | 390.8 | 437.4 |
| Upland hdwds. Scrub oak Oak-gum-cypress: | 1,588.2 465.6 | 197.8 240.9 | 249.3 216.5 | 1,141.1 8.2 |
| Bench-hardwood Water-oak-gum Gum-cypress | 360.5 2,301.8 535.2 | 90.6 767.8 244.1 | 185.6 1,239.3 291.1 | 84.3 294.7 |
| Total | 6,346.3 | 1,808.0 | 2,572.6 | 1,965.7 |
| All types | 11,934.9 | 3,112.9 | 4,676.2 | 4,145.8 |

Table 6.--Commercial forest land by ownership, $\frac{1}{}$ major forest type, site quality, and Survey Unit, South Carolina, 1958

| Type and site quality2/ | All ownerships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
|-----------------------------------------------|-------------------------------|------------------------|-----------------------|------------------------------|-------------------------|-----------------------------|---------------------------|
| | | | STATE | | | | |
| Pine types: | | | | | | | |
| Poor site Fair site Good site | 829.3 1,917.1 2,842.2 | 48.3 100.9 218.6 | 31.6 45.0 80.3 | 24.9 53.5 53.9 | 117.9 230.4 529.0 | 344.0 1,088.6 1,465.5 | 262.6 398.7 494.9 |
| Total | 5,588.6 | 367.8 | 156.9 | 132.3 | 877.3 | 2,898.1 | 1,156.2 |
| Oak-pine type: | | | | | | | |
| Poor site Fair site Good site | 102.4 271.5 721.1 | 4.3 6.6 46.7 | 7.2 3.1 | | 8.0 9.0 144.2 | 51.4 191.1 403.9 | 38.7 57.6 123.2 |
| Total | 1,095.0 | 57.6 | 10.3 | | 161.2 | 646.4 | 219.5 |
| Hardwood types: | | | | | | | |
| Poor site Fair site Good site | 634.7 3,116.4 1,500.2 | 77.6 45.9 | 34.0 42.0 38.2 | 45.9 34.4 16.6 | 30.9 318.3 283.6 | 411.0 2,034.6 820.4 | 112.9 609.5 295.5 |
| Total | 5,251.3 | 123.5 | 114.2 | 96.9 | 632.8 | 3,266.0 | 1,017.9 |
| All types: | | | | | | | |
| Poor site Fair site Good site | 1,566.4 5,305.0 5,063.5 | 52.6 185.1 311.2 | 65.6 94.2 121.6 | 70.8 87.9 70.5 | 156.8 557.7 956.8 | 806.4 3,314.3 2,689.8 | 414.2 1,065.8 913.6 |
| Total | 11,934.9 | 548.9 | 281.4 | 229.2 | 1,671.3 | 6,810.5 | 2,393.6 |
| | | SOUTHE | RN COASTAL | PLAIN | | | |
| Pine types: | | | | | | | |
| Poor site Fair site Good site | 75.8 389.9 839.2 | | 6.2 18.7 52.3 | 2.9 | 15.1 29.3 189.0 | 36.4 255.4 456.4 | 18.1 83.6 141.5 |
| Total | 1,304.9 | | 77.2 | 2.9 | 233.4 | 748.2 | 243.2 |
| Oak-pine type: Poor site Fair site Good site | 7. 5 28.7 | | 3.1 | == | 2.0 | 5.5 20.5 | 2.0 |
| Total | 230.6 | | 3.1 6.2 | | 54.2 56.2 | 135.0 | 38.3 43.4 |
| Hardwood types: | | | | | | 101:0 | +3•+ |
| Poor site Fair site Good site | 277.8 754.5 508.9 | | 18.7 29.0 31.2 | 2.5 2.5 | 23.6 73.4 135.7 | 198.8 551.7 272.6 | 36.7 97.9 66.9 |
| Total | 1,541.2 | | 78.9 | 5.0 | 232.7 | 1,023.1 | 201.5 |
| All types: | | | | | | | |
| Poor site Fair site Good site | 361.1 1,173.1 1,578.7 | | 24.9 50.8 86.6 | 5.4 2.5 | 38.7 104.7 378.9 | 240.7 827.6 864.0 | 56.8 184.6 246.7 |
| Total | 3,112.9 | | 162.3 | 7.9 | 522.3 | 1,932.3 | 488.1 |

^{1/} Forest area by ownership is estimated from the ground samples. These estimates include a sampling error and for this reason differ slightly from areas compiled from ownership records shown in tables 2 and 37.

^{2/} See description of site quality under Definition of Terms.

Table 6.--Commercial forest land by ownership, major forest type, site quality, and Survey Unit,

South Carolina, 1958 (continued) (In thousand acres) State, All county, Type and National Other Forest Misc. Farm site quality2/ ownerships forest Federal and industry private municipal NORTHERN COASTAL PLAIN Pine types: 154.3 5.8 Poor site 17.1 16.1 29.8 45.2 40.3 623.6 26.1 38.1 321.6 Fair site 9.3 113.2 115.3 108.7 11.5 40.8 687.9 Good site 1,325.7 263.6 213.2 2,103.6 140.6 368.8 Total 37.9 95.0 406.6 1,054.7 Oak-pine type: Poor site 6.3 4.1 2.2 Fair site 54.3 2.9 7.0 27.8 16.6 Good site 330.2 26.1 __ --55.0 188.9 60.2 390.8 29.0 62.0 220.8 Total 79.0 Hardwood types: 15.3 Poor site 268.1 42.0 7.3 143.9 59.6 Fair site 1,189.1 21.7 4.3 24.5 176.0 703.8 258.8 180.3 126.1 374.7 Good site 724.6 30.4 2.9 10.2 2,181.8 498.7 76.7 309.4 1,222.4 Total 52.1 22.5 All types: Poor site 428.7 5.8 32.4 58.1 37.1 193.2 102.1 62.6 1,867.0 13.6 296.2 1,053.2 Fair site 50.7 390.7 Good site 2,380.5 165.2 14.4 51.0 444.7 1,251.5 453.7 778.0 4,676.2 60.4 946.5 221.7 171.7 2,497.9 Total PIEDMONT Pine types: 8.3 8.8 204.2 Poor site 599.2 42.5 73.0 262.4 87.9 Fair site 903.6 74.8 17.0 12.5 511.6 199.8 140.2 76.4 321.2 Good site 677.3 109.9 16.5 13.1 544.2 2,180.1 227.2 41.8 34.4 237.3 1,095.2 Total Oak-pine type: Poor site 88.6 4.3 8.0 41.8 34.5 37.9 188.5 4.1 142.8 Fair site 3.7 Good site 160.3 20.6 35.0 80.0 24.7 28.6 264.6 97.1 437.4 4.1 Total 43.0 Hardwood types: 16.6 68.3 Poor site 88.8 3.9 7.4 68.9 252.8 Fair site 1,172.8 8.7 779.1 55.9 48.3 3.9 Good site 266.7 15.5 4.1 21.8 173.1 1,020.5 317.7 1,528.3 71.4 12.8 15.2 90.7 Total All types: 776.6 8.3 81.0 372.5 255.3 Poor site 46.8 12.7 490.5

29.8

20.6

58.7

19.9

17.0

49.6

156.8

133.2

371.0

1,433.5

2,380.3

574.3

213.2

959.0

134.4

146.0

327.2

2,264.9

1,104.3

4,145.8

Fair site

Good site

Total

^{1/} Forest area by ownership is estimated from the ground samples. These estimates include a sampling error and for this reason differ slightly from areas compiled from ownership records shown in tables 2 and 37.

^{2/} See description of site quality under Definition of Terms.

Table 7.--Commercial forest land $\frac{1}{2}$ by ownership, area condition, and Survey Unit, South Carolina, 1958

| | | (III OHOUS | ind dere | 5, | | | |
|-------------------------------------------------------|-------------------|--------------------|------------------|---------------------------------------|--------------------|---------|------------------|
| Area condition | All ownerships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
| | | ST | ATE | | | | |
| Well stocked with pine | 2,964.4 | 261.8 | 90.3 | 59.6 | 531.3 | 1,401.3 | 620.1 |
| Medium stocking of pine: | | | | | | | |
| Other stocking2/ less than 20 percent | 432.1 | 18.4 | 16.8 | 29.5 | 45.4 | 239.0 | 83.0 |
| Other stocking 20 percent or more | 1,293.1 | 82.1 | 22.4 | 21.6 | 204.4 | 740.8 | 221.8 |
| Poor stocking of pine: | | | | | | | |
| Other stocking less than 20 percent: | | | | | | | |
| Pine seed source adequate | 47.3 | | | | 6.8 | 25.3 | 15.2 |
| Pine seed source inadequate | 458.8 | | 12.6 | 12.9 | 34.0 | 275.4 | 123.9 |
| Other stocking 20 percent or more: | | | | | | | |
| Pine seed source adequate | 419.3 | 37.2 | 2.2 | 8.7 | 70.7 | 239.3 | 61.2 |
| Pine seed source inadequate | 3,122.3 | 82.9 | 69.4 | 57.8 | 291.1 | 2,014.9 | 606.2 |
| Total all conditions | 8,737.3 | 482.4 | 213.7 | 190.1 | 1,183.7 | 4,936.0 | 1,731.4 |
| | S01 | UTHERN CO. | ASTAL PL | AIN | | | |
| Well stocked with pine | 530.8 | | 49.2 | 2.9 | 118.6 | 265.7 | 94.4 |
| Medium stocking of pine: | | | | | | | |
| Other stocking ² / less than 20 percent | 133.1 | | 12.5 | | 23.7 | 82.5 | 14.4 |
| Other stocking 20 percent or more | 289.7 | | 3.1 | | 40.0 | 212.3 | 34.3 |
| Poor stocking of pine: | | | | | | | |
| Other stocking less than 20 percent: | | | | | | | |
| Pine seed source adequate | 11.6 | | | | | 8.8 | 2.8 |
| Pine seed source inadequate | 181.9 | | 6.2 | | 11.9 | 122.7 | 41.1 |
| Other stocking 20 percent or more: | | | | | | | |
| Pine seed source adequate | 107.8 | | | | 32.0 | 61.7 | 14.1 |
| Pine seed source | | | | | 05.0 | 100.0 | 202 1 |
| inadequate | 755.6 | | 39.5 | | 95•9 | 488.8 | 131.4 |

 $[\]underline{1}/$ Excludes bottomland hardwood type. $\underline{2}/$ Includes hardwood growing stock, culls, and inhibiting shrubs.

Table 7.--Commercial forest land $\frac{1}{2}$ by ownership, area condition, and Survey Unit, South Carolina, 1958 (continued)

| Area condition | All ownerships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
|-------------------------------------------------------------|-------------------|--------------------|------------------|------------------------------|--------------------|---------------|------------------|
| | | NORTHER | N COASTA | L PLAIN | | | |
| Well stocked with pine | 1,187.6 | 112.3 | 12.2 | 44.1 | 241.6 | 561.1 | 216.3 |
| Medium stocking of pine: Other stocking ² / | 7.07.0 | 5.0 | 1 0 | 22.0 | | | |
| less than 20 percent Other stocking 20 percent or more | 131.0 | 5.0 34.8 | 4.3 6.4 | 20.8 | 12.9 | 75.7 286.5 | 12.3 99.7 |
| |)++•+ | J+•0 | 0.4 | 12.9 | TO4.0.T. | 200.) | 77•1 |
| Poor stocking of pine: Other stocking less than 20 percent: | | | | | | | |
| Pine seed source adequate | 19.6 | | | | 2.3 | 12.9 | 4.4 |
| Pine seed source inadequate | 149.4 | | 6.4 | 12.9 | 18.6 | 79.1 | 32.4 |
| Other stocking 20 percent or more: | | | | | | | |
| Pine seed source adequate | 147.1 | 9.4 | 2.2 | 8.7 | 29.6 | 79.7 | 17.5 |
| Pine seed source inadequate | 781.0 | 15.9 | 21.7 | 38.2 | 86.1 | 465.9 | 153.2 |
| Total all conditions | 2,960.1 | 177.4 | 53.2 | 137.6 | 495.2 | 1,560.9 | 535.8 |
| | | PIEDI | MONT | | | | |
| Well stocked with pine | 1,246.0 | 149.5 | 28.9 | 12.6 | 171.1 | 574.5 | 309.4 |
| Medium stocking of pine: | | | | | | | |
| Other stocking ² / less than 20 percent | 168.0 | 13.4 | | 8.7 | 8.8 | 80.8 | 56.3 |
| Other stocking 20 percent or more | 459.0 | 47.3 | 12.9 | 8.7 | 60.3 | 242.0 | 87.8 |
| Poor stocking of pine: | | | | | | | |
| Other stocking less than 20 percent: | | | | | | | |
| Pine seed source adequate | 16.1 | | | | 4.5 | 3.6 | 8.0 |
| Pine seed source inadequate | 127.5 | | | | 3•5 | 73.6 | 50.4 |
| Other stocking 20 percent or more: | | | | | | | |
| Pine seed source adequate | 164.4 | 27.8 | | | 9.1 | 97•9 | 29.6 |
| Pine seed source inadequate | 1,585.7 | 67.0 | 8.2 | 19.6 | 109.1 | 1,060.2 | 321.6 |
| Total all conditions | 3,766.7 | 305.0 | 50.0 | 49.6 | 366.4 | 2,132.6 | 863.1 |

 $[\]underline{1}/$ Excludes bottomland hardwood type. $\underline{2}/$ Includes hardwood growing stock, culls, and inhibiting shrubs.

Table 8.--Commercial forest land cut over annually, by ownership and Survey Unit, South Carolina, 1957

| Ownership | State | Southern Coastal Plain | Northern Coastal Plain | Piedmont |
|-----------------------------|-------|------------------------------|------------------------------|----------|
| Public | 32.0 | 1.0 | 15.2 | 15.8 |
| Private: | | | | |
| Pulp company | 89.3 | 24.4 | 32.7 | 32.2 |
| Other wood-using industries | 20.9 | 11.0 | 8.5 | 1.4 |
| Farm | 460.7 | 111.6 | 138.1 | 211.0 |
| Miscellaneous private | 153.2 | 27.5 | 42.0 | 83.7 |
| Total | 724.1 | 174.5 | 221.3 | 328.3 |
| Total cutover | 756.1 | 175.5 | 236.5 | 344.1 |

Table 9.--Net volume of sawtimber on commercial forest land by ownership, major forest type,

species group, and Survey Unit, South Carolina, 1958
(In million board feet 1)

| | | (411 | milition box | ara reev) | | | |
|------------------------|----------------------|--------------------|------------------|---------------------------------------|-------------------------|--------------------|--------------------|
| Type and species group | All ownerships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
| | | | STAT | E | | | |
| Pine types: | | | | | | | |
| Softwood Hardwood | 11,829.7 834.1 | 1,590.8 82.6 | 204.3 7.6 | 274.4 9.8 | 1,897.4 172.8 | 5,594.1 400.3 | 2,268.7 161.0 |
| Total | 12,663.8 | 1,673.4 | 211.9 | 284.2 | 2,070.2 | 5,994.4 | 2,429.7 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 1,358.9 1,227.2 | 152.0 125.9 | | | 246.7 215.1 | 712.5 658.6 | 247.7 227.6 |
| Total | 2,586.1 | 277.9 | | One des | 461.8 | 1,371.1 | 475.3 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 2,199.6 11,080.9 | 160.2 231.1 | 19.7 200.4 | 13.4 73.5 | 527.0 1,781.3 | 1,054.3 6,237.2 | 425.0 2,557.4 |
| Total | 13,280.5 | 391.3 | 220.1 | 86.9 | 2,308.3 | 7,291.5 | 2,982.4 |
| All types: | | | | | | | |
| Softwood Hardwood | 15,388.2 13,142.2 | 1,903.0 439.6 | 224.0 208.0 | 287.8 83.3 | 2,671.1 2,169.2 | 7,360.9 7,296.1 | 2,941.4 2,946.0 |
| Total | 28,530.4 | 2,342.6 | 432.0 | 371.1 | 4,840.3 | 14,657.0 | 5,887.4 |
| | | SOU | THERN COAST | TAL PLAIN | | | |
| Pine types: | | | | | | | |
| Softwood Hardwood | 2,657.6 194.2 | | 23.5 2.8 | 14.9 | 561.9 56.2 | 1,567.5 106.8 | 489.8 28.4 |
| Total | 2,851.8 | | 26.3 | 14.9 | 618.1 | 1,674.3 | 518.2 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 365.7 325.6 | | | | 112.3 104.0 | 200.4 163.0 | 53.0 58.6 |
| Total | 691.3 | | | | 216.3 | 363.4 | 111.6 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 824.1 3,181.4 | | 13.2 194.4 | 7 . 2 | 281.5 618.6 | 462.6 1,930.7 | 66.8 430.5 |
| Total | 4,005.5 | | 207.6 | 7.2 | 900.1 | 2,393.3 | 497•3 |
| All types: | | | | | | | |
| Softwood Hardwood | 3,847.4 3,701.2 | | 36.7 197.2 | 14.9 7.2 | 955•7 778 . 8 | 2,230.5 | 609.6 517.5 |
| Total | 7,548.6 | | 233.9 | 22.1 | 1,734.5 | 4,431.0 | 1,127.1 |
| | 4: | | | | | | |

^{1/} International 1/4-inch rule.

Table 9.--Net volume of sawtimber on commercial forest land by ownership, major forest type,

species group, and Survey Unit, South Carolina, 1958 (continued)

(In million board feet 1/2)

| Type and species group | All ownerships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
|------------------------|--------------------|--------------------------------|------------------|------------------------------|----------------------------------|--------------------|--------------------|
| | | NORT | HERN COASTA | AL PLAIN | | | |
| Pine types: | | | | | | | |
| Softwood Hardwood | 5,500.0 376.8 | 578.7 33.4 | 99.8 4.8 | 179.0 2.2 | 887.5 97.6 | 2,722.9 167.5 | 1,032.1 71.3 |
| Total | 5,876.8 | 612.1 | 104.6 | 181.2 | 985.1 | 2,890.4 | 1,103.4 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 648.2 493.9 | 86.8 50.0 | | | 106.7 77.1 | 326.1 256.7 | 128.6 110.1 |
| Total | 1,142.1 | 136.8 | | | 183.8 | 582.8 | 238.7 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 1,224.3 5,493.5 | 135.1 112.8 | 6.5 6.0 | 13.4 66.3 | 225 . 3 990 . 7 | 517.8 2,652.9 | 326.2 1,664.8 |
| Total | 6,717.8 | 247.9 | 12.5 | 79•7 | 1,216.0 | 3,170.7 | 1,991.0 |
| All types: | | | | | | | |
| Softwood Hardwood | 7,372.5 6,364.2 | 800.6 196.2 | 106.3 | 192.4 68.5 | 1,219.5 1,165.4 | 3,566.8 3,077.1 | 1,486.9 1,846.2 |
| Total | 13,736.7 | 996.8 | 117.1 | 260.9 | 2,384.9 | 6,643.9 | 3,333.1 |
| | | | PIEDMONT | | | | |
| Pine types: | | | | | | | |
| Softwood Hardwood | 3,672.1 263.1 | 1,012.1 49.2 | 81.0 | 80.5 7.6 | 448.0 19.0 | 1,303.7 126.0 | 746.8 61.3 |
| Total | 3,935.2 | 1,061.3 | 81.0 | 88.1 | 467.0 | 1,429.7 | 808.1 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 345.0 407.7 | 65 . 2 75 . 9 | | | 27•7 34•0 | 186.0 238.9 | 66.1 58.9 |
| Total | 752.7 | 141.1 | | | 61.7 | 424.9 | 125.0 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 151.2 2,406.0 | 25.1 118.3 | | | 20.2 172.0 | 73.9 1,653.6 | 32.0 462.1 |
| Total | 2,557.2 | 143.4 | *** | | 192.2 | 1,727.5 | 494.1 |
| All types: | | | | | | | |
| Softwood Hardwood | 4,168.3 3,076.8 | 1,102.4 243.4 | 81.0 | 80.5 7.6 | 495.9 225.0 | 1,563.6 2,018.5 | 844.9 582.3 |
| Total | 7,245.1 | 1,345.8 | 81.0 | 88.1 | 720.9 | 3,582.1 | 1,427.2 |

^{1/} International 1/4-inch rule.

Table 10.--Net volume of growing stock and cull timber on commercial forest land by ownership, major forest type, species group,

| | | | | and | l Survey | Unit, So | uth Carol | ina, 195 | 8 | | | | | <u> </u> |
|------------------------|------------------|------------------|-----------------|----------------|-----------------|------------------|-------------------|-----------------|----------------|------------------------|------------------|------------------|--------------------|-----------------------|
| Type and species group | All own | nerships | Nations | al forest | Other | Federal | State, and mur | county, | Forest | industry | Fa | ırm | Misc.] | private |
| | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | | Thousand cords | Million cu. ft. | | Million cu. ft. | |
| | | | | | | STA | TE | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Pine types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 3,644.7 367.7 | 50,156 5,212 | 440.0 43.0 | 5,910 608 | 70.6 3.0 | 985 41 | 83.4 4.9 | 1,149 72 | 594.9 60.6 | 8,212 838 | 1,731.9 | 23,884 2,779 | 723.9 62.7 | 10,016 874 |
| Total | 4,012.4 | 55,368 | 483.0 | 6,518 | 73.6 | 1,026 | 88.3 | 1,221 | 655.5 | 9,050 | 1,925.4 | 26,663 | 786.6 | 10,890 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Softwood Hardwood | 348.1 470.0 | 4,592 6,498 | 33·9 48.7 | 431 674 | | | | | 62.3 82.7 | 821 1,142 | 186.9 251.9 | 2,478 3,480 | 65.0 86.7 | 862 1,202 |
| Total | 818.1 | 11,090 | 82.6 | 1,105 | | | | | 145.0 | 1,963 | 438.8 | 5,958 | 151.7 | 2,064 |
| Hardwood typs: | | | | | | | | | | | | | | |
| Sof twood Hardwood | 526.9 3,578.7 | 6,472 48,187 | 34.8 82.7 | 401 | 4.6 63.0 | 57 857 | 3.7 24.9 | 48 334 | 122.0 566.5 | 1,470 7,584 | 257.8 2,061.9 | 3,232 27,873 | 104.0 779.7 | 1,264 |
| Total | 4,105.6 | 54,659 | 117.5 | 1,512 | 67.6 | 914 | 28.6 | 382 | 688.5 | 9,054 | 2,319.7 | 31,105 | 883.7 | 11,692 |
| All types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 4,519.7 | 61,220 59,897 | 508.7 174.4 | 6,742 2,393 | 75.2 66.0 | 1,042 898 | 87.1 29.8 | 1,197 406 | 779.2 709.8 | 10,503 9,564 | 2,176.6 | 29,594 34,132 | 892.9 929.1 | 12,142 |
| Total | 8,936.1 | 121,117 | 683.1 | 9,135 | 141.2 | 1,940 | 116.9 | 1,603 | 1,489.0 | 20,067 | 4,683.9 | 63,726 | 1,822.0 | 24,646 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 166.7 1,047.1 | 2,224 14,257 | 8.6 40.4 | 111 562 | 2.7 | 36 284 | 5.1 7.9 | 64 116 | 21.5 166.1 | 283 2,234 | 82.5 575.7 | 1,121 7,885 | 46.3 236.2 | 609 3 , 176 |
| Total | 1,213.8 | 16,481 | 49.0 | 673 | 23.5 | 320 | 13.0 | 180 | 187.6 | 2,517 | 658.2 | 9,006 | 282.5 | 3,785 |
| | | | | | SOUT | THERN COAS | STAL PLAI | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Pine types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 759•3 68.6 | 10,218 946 | | | 15.2 0.7 | 22 7 8 | 4.2 | 57 | 164.0 14.3 | 2,220 187 | 434.3 44.6 | 5,808 630 | 141.6 9.0 | 1,906 121 |
| Total | 827.9 | 11,164 | | | 15.9 | 235 | 4.2 | 57 | 178.3 | 2,407 | 478.9 | 6,438 | 150.6 | 2,027 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Softwood Hardwood | 82.0 | 1,043 1,490 | | | | | | | 26.1 31.5 | 334 426 | 45.6 62.3 | 585 850 | 10.3 | 124 214 |
| Total | 191.9 | 2,533 | | | | | | | 57.6 | 760 | 107.9 | 1,435 | 26.4 | 338 |
| Hardwood types | : | | | | | | | | | | | | | |
| Softwood Hardwood | 199.6 | 2,435 13,876 | | | 3.3 61.8 | 40 841 | 0.3 4.7 | 4 65 | 67.2 199.9 | 815 2,683 | 113.5 643.3 | 1,399 8,686 | 15.3 121.8 | 177 1,601 |
| Total | 1,231.1 | 16,311 | | | 65.1 | 881 | 5.0 | 69 | 267.1 | 3,498 | 756.8 | 10,085 | 137.1 | 1,778 |
| All types: | | | | | | | | | | | | | - 6 | |
| Softwood Hardwood | 1,040.9 | | | | 18.5 62.5 | 267 849 | 4.5 4.7 | 61 65 | 257·3 245·7 | 3,369 3,296 | 593.4 750.2 | 7,792 | 167.2 146.9 | 2,207 1,936 |
| Total | 2,250.9 | 30,008 | | | 81.0 | 1,116 | 9.2 | 126 | 503.0 | 6,665 | 1,343.6 | 17,958 | 314.1 | 4,143 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 37.4 319.5 | 482 4,291 | | | 0.8 14.6 | .10 202 | 0.4 | - - 5 | 8.6 55.3 | 107 73 ⁴ | 20.2 197.7 | 264 2,675 | 7.8 51.5 | 101 675 |
| Total | 356.9 | 4,773 | | | 15.4 | 212 | 0.4 | 5 | 63.9 | 841 | 217.9 | 2,939 | 59•3 | 776 |
| | | | | | | | | | | - | | | | |

Table 10.--Net volume of growing stock and cull timber on commercial forest land by ownership, major forest type, species group, and Survey Unit, South Carolina, 1958 (continued)

| Type and | | | T | | | | State. | county, | | | Τ | | | |
|----------------------|-----------------------------------------|------------------|--------------------|----------------|-----------------|-------------------|--------------------|-------------------|-----------------|-------------------|-----------------|-----------------------|-----------------|------------------|
| species group | All own | nerships | Nation | al forest | Other | Federal | | nicipal | Forest | industry | Fe | arm | Misc.] | private |
| | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousan cords |
| | | | | | NOR | THERN COA | STAL PLA | IN | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Pine types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 1,535.5 | 20,844 | 156.8 10.6 | 2,098 142 | 24.7 2.3 | 326 33 | 55.6 1.7 | 769 24 | 270.3 33.0 | 3,713 451 | 731·3 79·5 | 9,865 1,137 | 296.8 29.8 | 4,073 422 |
| Total | 1,692.4 | 23,053 | 167.4 | 2,240 | 27.0 | 359 | 57-3 | 793 | 303.3 | 4,164 | 810.8 | 11,002 | 326.6 | 4,495 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Softwood Hardwood | 153.7 179.6 | 1,994 2,465 | 19.1 | 241 305 | | | | | 25.7 33.8 | 336 468 | 78.1 87.7 | 1,015 1,198 | 30.8 36.5 | 402 494 |
| Total | 333•3 | 4,459 | 40.7 | 546 | | | | | 59.5 | 804 | 1.65.8 | 2,213 | 67.3 | 896 |
| Hardwood types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 272.9 1,666.9 | 3,277 22,273 | 30.0 38.7 | 346 514 | 1.3 | 17 16 | 3.4 18.6 | 44 246 | 48.5 300.1 | 568 3,998 | 113.3 830.1 | 1,385 11,162 | 76.4 478.2 | 917 6,337 |
| Total | 1,939.8 | 25,550 | 68.7 | 860 | 2.5 | 33 | 22.0 | 290 | 348.6 | 4,566 | 943.4 | 12,547 | 554.6 | 7,254 |
| All types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 1,962.1 2,003.4 | 26,115 26,947 | 205.9 70.9 | 2,685 961 | 26.0 3.5 | 343 49 | 59.0 20.3 | 813 270 | 344.5 366.9 | 4,617 4,917 | 922.7 997.3 | 12,265 13,497 | 404.0 544.5 | 5,392 7,253 |
| Total | 3,965.5 | 53,062 | 276.8 | 3,646 | 29.5 | 392 | 79.3 | 1,083 | 711.4 | 9,534 | 1,920.0 | 25,762 | 948.5 | 12,645 |
| Cull timber: | | | | | | | | ~~~~ | | | | | | |
| Softwood Hardwood | 67.1 464.1 | 858 6,242 | 4.2 20.1 | 52 276 | 1.2 | 17 75 | 5.1 5.1 | 64 76 | 6.1 90.6 | 78 1,215 | 29.9 219.3 | 393 2,962 | 20.6 123.3 | 254 1,638 |
| Total | 531.2 | 7,100 | 24.3 | 328 | 6.9 | 92 | 10.2 | 140 | 96.7 | 1,293 | 249.2 | 3,355 | 143.9 | 1,892 |
| | | .,, | | | | | | | | | | | | |
| | | | | | | PIEDMO | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Pine types: | 2 0 0 0 | 20.00 | 0000 | - 020 | | 1.00 | 22.6 | | -(- (| | -// - | 0.022 | 00= = | 1 005 |
| Softwood Hardwood | 1,349.9 | 19,094 2,057 | 283.2 32.4 | 3,812 466 | 30.7 | 432 | 23.6 3.2 | 323 48 | 160.6 13.3 | 2,279 200 | 566.3 69.4 | 8,211 1,012 | 285.5 23.9 | 4,037 331 |
| Total | 1,492.1 | 21,151 | 315.6 | 4,278 | 30.7 | 432 | 26.8 | 371 | 173.9 | 2,479 | 635.7 | 9,223 | 309.4 | 4,368 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Softwood Hardwood | 112.4 | 1,555 2,543 | 14.8 27.1 | 190 369 | | | | | 10.5 | 151 248 | 63.2 | 878 1,432 | 23.9 34.1 | 336 494 |
| Total | 292.9 | 4,098 | 41.9 | 559 | | | | | 27.9 | 399 | 165.1 | 2,310 | 58.0 | 830 |
| Hardwood types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 54.4 880.3 | 760 12,038 | 4.8 44.0 | 55 597 | | | 1.6 | 23 | 6.3 66.5 | 87 903 | 31.0 588.5 | 448 8 , 025 | 12.3 179.7 | 170 2,490 |
| Total | | 12,798 | 48.8 | 652 | | | 1.6 | 23 | 72.8 | 990 | 619.5 | 8,473 | 192.0 | 2,660 |
| All types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 1,516.7 | | 302.8 103.5 | 4,057 1,432 | 30.7 | 432 | 23.6 4.8 | 323 71 | 177.4 97.2 | 2,517 1,351 | 660.5 759.8 | 9,537 10,469 | 321.7 237.7 | 4,543 3,315 |
| Total | 2,719.7 | 38,047 | 406.3 | 5,489 | 30.7 | 432 | 28.4 | 394 | 274.6 | 3,868 | 1,420.3 | 20,006 | 559.4 | 7,858 |
| Cull timber: | 4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 | | | | | | | | | | | | | |
| Softwood Hardwood | 62.2 263.5 | 884 3,724 | 4.4 | 59 286 | 0.7 | 9 | 2.4 | 35 | 6.8 20.2 | 98 285 | 32.4 158.7 | 464 2,248 | 17.9 61.4 | 254 863 |
| Total | 325.7 | 4,608 | 24.7 | 345 | 1.2 | 16 | 2.4 | 35 | 27.0 | 383 | 191.1 | 2,712 | 79•3 | 1,117 |
| | 5-7-1 | | | | | | | | | | | | ,,,,, | |

Table lla.--Net volume of sawtimber and growing stock on commercial forest land by species group and stand size for the entire State of South Carolina, 1958

| | m | g 01 1 | | | | | | | | |
|-------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|------------------------------------|--|--|--|--|--|--|--|
| Stand size | Total | Softwood | Hardwood | | | | | | | |
| SAWTIMBER (In million bd. ft.) | | | | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas | 25,374.0 2,059.9 885.1 211.4 | 13,469.6 1,235.8 558.2 124.6 | 11,904.4 824.1 326.9 86.8 | | | | | | | |
| Total | 28,530.4 | 15,388.2 | 13,142.2 | | | | | | | |
| GROWING STOCK (In million cu. ft.) | | | | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas | 6,950.2 1,706.1 225.9 53.9 | 3,369.7 980.1 138.7 31.2 | 3,580.5 726.0 87.2 22.7 | | | | | | | |
| Total. | 8,936.1 | 4,519.7 | 4,416.4 | | | | | | | |
| GROWING S | STOCK (In thousand | l cords) | | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas | 91,769 25,637 2,997 714 | 44,110 14,840 1,853 417 | 47,659 10,797 1,144 297 | | | | | | | |
| Total | 121,117 | 61,220 | 59,897 | | | | | | | |

Table 11b.--Net volume of sawtimber and growing stock on commercial forest land by species group and stand size for the Southern Coastal Plain of South Carolina, 1958

| Stand size | Total | Softwood | Hardwood | | | | | | |
|-------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|---------------------------------------------|--|--|--|--|--|--|
| SAWTIMBER (In million bd. ft.) | | | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas Total | 6,747.5 444.9 277.1 79.1 7,548.6 | 3,321.0 286.1 181.1 59.2 3,847.4 | 3,426.5 158.8 96.0 19.9 3,701.2 | | | | | | |
| GROWING STOCK (In million cu. ft.) | | | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas | 1,838.1 329.0 64.4 19.4 | 810.2 175.7 41.0 14.0 | 1,027.9 153.3 23.4 5.4 | | | | | | |
| Total | 2,250.9 | 1,040.9 | 1,210.0 | | | | | | |
| GROWING S | STOCK (In thousand | d cords) | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas Total | 24,081 4,835 836 256 30,008 | 10,414 2,564 534 184 | 13,667 2,271 302 72 16,312 | | | | | | |

Table llc.--Net volume of sawtimber and growing stock on commercial forest land by species group and stand size for the Northern Coastal Plain of South Carolina, 1958

| Stand size | Total | Softwood | Hardwood | | | | | | | |
|-------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|--|--|--|--|--|--|--|
| SAWTIMBI | SAWTIMBER (In million bd. ft.) | | | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas Total | 12,346.0 890.6 412.9 87.2 | 6,480.2 548.1 281.6 62.6 | 5,865.8 342.5 131.3 24.6 | | | | | | | |
| | | | | | | | | | | |
| GROWING STOCK (In million cu. ft.) | | | | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas | 3,260.4 584.7 98.9 21.5 | 1,553.8 326.5 66.6 15.2 | 1,706.6 258.2 32.3 6.3 | | | | | | | |
| Total | 3,965.5 | 1,962.1 | 2,003.4 | | | | | | | |
| GROWING ST | COCK (In thousand | cords) | | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas | 42,762 8,717 1,298 285 | 20,146 4,887 880 202 | 22,616 3,830 418 83 | | | | | | | |
| Total | 53,062 | 26,115 | 26,947 | | | | | | | |

Table 11d.--Net volume of sawtimber and growing stock on commercial forest land by species group and stand size for the Piedmont of South Carolina, 1958

| Stand size | Total | Softwood | Hardwood | | | | | | | |
|-------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------|---------------------------------------------|--|--|--|--|--|--|--|
| SAWTIMBER (In million bd. ft.) | | | | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas Total | 6,280.5 724.4 195.1 45.1 7,245.1 | 3,668.4 401.6 95.5 2.8 4,168.3 | 2,612.1 322.8 99.6 42.3 3,076.8 | | | | | | | |
| GROWING STOCK (In million cu. ft.) | | | | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas | 1,851.7 792.4 62.6 13.0 | 1,005.7 477.9 31.1 2.0 | 846.0 314.5 31.5 11.0 | | | | | | | |
| Total | 2,719.7 | 1,516.7 | 1,203.0 | | | | | | | |
| GROWING S'I' | OCK (In thousand | cords) | | | | | | | | |
| Sawtimber stands Poletimber stands Seedling and sapling stands Nonstocked and other areas Total | 24,926 12,085 863 173 38,047 | 13,550 7,389 439 31 21,409 | 11,376 4,696 424 142 16,638 | | | | | | | |

Table 12.--Net volume of sawtimber and growing stock on commercial forest land by species and Survey Unit, South Carolina, 1958

| | | STATE | | SOUTHER | AIN | |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------|
| Species | Sawtimber | Growing | gstock | Sawtimber | Growin | ng stock |
| | Million bdft.1/ | Million cu. ft.2/ | Thousand cords3/ | Million bdft.1/ | Million cu. ft.2/ | Thousand cords3/ |
| Yellow pine: | | | | | | |
| Longleaf pine Slash pine Loblolly pine Shortleaf pine Pond pine Virginia pine Other yellow pine | 1,586.8 214.3 8,645.5 2,085.6 980.7 83.0 64.4 | 510.3 69.7 2,348.3 814.5 302.8 54.5 16.5 | 7,045 965 31,581 11,699 4,179 796 215 | 665.6 192.7 1,867.1 130.8 310.6 | 214.9 62.9 464.8 37.9 93.3 | 2,936 873 6,094 513 1,268 |
| Total | 13,660.3 | 4,116.6 | 56,480 | 3,217.9 | 886.4 | 11,846 |
| Other softwoods: | | | | | | |
| White pine Cypress Redcedar | 4/ _{151.0} 1,501.0 75.9 | 2/ ₂₅ .8 349.1 28.2 | <u>6</u> / ₂₈₄ 4,091 365 | 629 . 5 | 154.5 | 1,850 |
| Total | 1,727.9 | 403.1 | 4,740 | 629.5 | 154.5 | 1,850 |
| Total softwoods | 15,388.2 | 4,519.7 | 61,220 | 3,847.4 | 1,040.9 | 13,696 |
| Preferred hardwoods: | | | | | | |
| Sweetgum Yellow-poplar White and swamp | 2,624.7 845.5 | 860.8 240.1 | 11,625 3,188 | 730.2 153.6 | 223.4 43.4 | 2,974 574 |
| chestnut oaks No. red and swamp | 765.5 | 265.9 | 3 , 637 | 1314.1 | 40.4 | 546 |
| red oaks Ash Hard maple Yellow birch Black walnut | 313.9 430.0 9.2 4.2 16.1 | 91.6 194.8 4.8 0.9 5.1 | 1,229 2,745 70 11 66 | 58.6 150.5 | 15.5 62.5 0.3 | 207 871 5 |
| Total | 5,009.1 | 1,664.0 | 22,571 | 1,227.0 | 385.5 | 5,177 |
| Other hardwoods: | | | | | | |
| Tupelo and blackgum Cottonwood Soft maple Other white oaks Other red oaks Hickory Beech Dogwood, holly, persimmon | 2,967.5 84.5 695.8 645.4 2,240.5 669.3 99.5 22.9 | 960.7 24.8 264.3 199.7 749.6 203.5 27.4 39.0 | 12,811 331 3,637 2,680 10,246 2,738 356 609 | 1,043.2 27.0 149.4 135.7 736.0 170.3 9.3 5.1 | 348.5 5.8 61.3 41.7 241.8 48.1 1.9 8.6 | 4,645 72 853 557 3,296 643 24 |
| Other hardwoods | 707.7 | 283.4 | 3,918 | 198.2 | 66.8 | 915 |
| Total | 8,133.1 | 2,752.4 | 37,326 | 2,474.2 | 824.5 | 11,135 |
| Total hardwoods | 13,142.2 | 4,416.4 | 59 , 89 7 | 3,701.2 | 1,210.0 | 16,312 |
| All species | 28,530.4 | 8,936.1 | 121,117 | 7,548.6 | 2,250.9 | 30,008 |

^{1/} International 1/4-inch rule.

^{2/} Excludes bark.

^{3/} Sound wood and bark.

^{4/} Includes 7.5 million board-feet of hemlock.

^{5/} Includes 1.3 million cubic feet of hemlock.

^{6/} Includes 14,000 cords of hemlock.

Table 12.--Net volume of sawtimber and growing stock on commercial forest land by species and Survey Unit, South Carolina, 1958 (continued)

| | NORTHE | RN COASTAL P | LAIN | | PIEDMONT | PIEDMONT | | |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------|--|--|
| Species | Sawtimber | Growin | g stock | Sawtimber | Growin | g stock | | |
| | Million bdft.1/ | Million cu. ft.2/ | Thousand cords3/ | Million bdft.1/ | Million cu. ft.2/ | Thousand cords3/ | | |
| Yellow pine: | | | | | | | | |
| Longleaf pine Slash pine Loblolly pine Shortleaf pine Pond pine Virginia pine Other yellow pine | 914.1 21.6 4,661.5 211.3 670.1 | 294.2 6.8 1,183.0 66.8 209.5 0.3 | 4,095 92 15,743 940 2,911 5 | 7.1 2,116.9 1,743.5 83.0 13.3 | 1.2 700.5 709.8 54.2 3.9 | 14 9,744 10,246 791 53 | | |
| Total | 6,478.6 | 1,760.6 | 23 ,7 86 | 3,963.8 | 1,469.6 | 20,848 | | |
| Other softwoods: White pine Cypress Redcedar | 871.5 22.4 | 194.6 6.9 | 2,241 88 | 4/ _{151.0} 53.5 | 5/ _{25.8} 21.3 | <u>6</u> / ₂₈₄ 277 | | |
| Total | 893.9 | 201.5 | 2,329 | 204.5 | 47.1 | 561 | | |
| Total softwoods | 7,372.5 | 1,962.1 | 26,115 | 4,168.3 | 1,516.7 | 21,409 | | |
| Preferred hardwoods: | | | | | | | | |
| Sweetgum Yellow-poplar White and swamp | 1,305.4 201.0 | 411.9 58.0 | 5 , 525 779 | 589 . 1 490.9 | 225.5 138.7 | 3,126 1,835 | | |
| chestnut oaks No. red and swamp | 229.9 | 66.0 | 887 | 401.5 | 159.5 | 2,204 | | |
| red oaks Ash Hard maple Yellow birch Black walnut | 160.7 201.2 2.1 | 41.3 80.9 0.5 | 542 1,124 6 | 94.6 78.3 9.2 4.2 14.0 | 34.8 51.4 4.5 0.9 4.6 | 480 750 65 11 60 | | |
| Total | 2,100.3 | 658.6 | 8,863 | 1,681.8 | 619.9 | 8,531 | | |
| Other hardwoods: | | | | | | | | |
| Tupelo and blackgum Cottonwood Soft maple Other white oaks Other red oaks Hickory Beech Dogwood, holly, persimmon Other hardwoods | 1,884.4 .25.1 430.5 261.7 1,109.0 222.7 20.4 14.9 295.2 | 592.3 11.4 157.3 68.9 326.9 61.6 4.9 19.0 102.5 | 7,884 164 2,157 912 4,390 818 63 293 1,403 | 39.9 32.4 115.9 248.0 395.5 276.3 69.8 2.9 214.3 | 19.9 7.6 45.7 89.1 180.9 93.8 20.6 11.4 114.1 | 282 95 627 1,211 2,560 1,277 269 186 1,600 | | |
| Total | 4,263.9 | 1,344.8 | 18,084 | 1,395.0 | 583.1 | 8,107 | | |
| Total hardwoods | 6,364.2 | 2,003.4 | 26,947 | 3,076.8 | 1,203.0 | 16,638 | | |
| All species | 13,736.7 | 3,965.5 | 53,062 | 7,245.1 | 2,719.7 | 38,047 | | |

^{1/} International 1/4-inch rule.

^{2/} Excludes bark.

^{3/} Sound wood and bark.

^{4/} Includes 7.5 million board-feet of hemlock.

^{5/} Includes 1.3 million cubic feet of hemlock.

^{6/} Includes 14,000 cords of hemlock.

Table 13.--Net volume of timber on commercial forest land by species group, class of material, and Survey Unit, South Carolina, 1958

| Class of material | То | tal | Soft | wood | Hardwood | | |
|---------------------------------------------------------|-----------------------------|------------------|------------------|------------------|------------------|------------------|--|
| | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | |
| | | STATE | | | | | |
| Sawtimber trees: | | | | | | | |
| Saw-log portion Upper stem | 4,529.5 1,630.8 | 56,775 21,192 | 2,502.8 772.4 | 31,538 10,008 | 2,026.7 858.4 | 25,237 11,184 | |
| Total | 6,160.3 | 77,967 | 3,275.2 | 41,546 | 2,885.1 | 36,421 | |
| Poletimber trees | 2,775.8 | 43,150 | 1,244.5 | 19,674 | 1,531.3 | 23,476 | |
| Total growing stock | 8,936.1 | 121,117 | 4,519.7 | 61,220 | 4,416.4 | 59,897 | |
| Cull trees: | | | | | | | |
| Sound culls: Sawtimber-size trees Poletimber-size trees | 765.2 396.7 | 9,619 6,113 | 131.2 31.4 | 1,668 498 | 634.0 365.3 | 7,951 5,615 | |
| Total | 1,161.9 | 15,732 | 162.6 | 2,166 | 999•3 | 13,566 | |
| Rotten culls | 51.9 | 749 | 4.1 | 58 | 47.8 | 691 | |
| Total cull trees | 1,213.8 | 16,481 | 166.7 | 2,224 | 1,047.1 | 14,257 | |
| Hardwood limbs | 360.8 | 4,458 | | | 360.8 | 4,458 | |
| Salvable dead trees | 2.7 | 36 | 1.5 | 20 | 1.2 | 16 | |
| All timber | 10,513.4 | 142,092 | 4,687.9 | 63,464 | 5,825.5 | 78,628 | |
| | SOUT | HERN COAST | AL PLAIN | | | | |
| Sawtimber trees: | | | ~ | | | | |
| Saw-log portion Upper stem | 1,187.3 441.4 | 14,718 5,815 | 625.3 194.3 | 7,737 2,584 | 562.0 247.1 | 6,981 3,231 | |
| Total | 1,628.7 | 20,533 | 819.6 | 10,321 | 809.1 | 10,212 | |
| Poletimber trees | 622.2 | 9,475 | 221.3 | 3,375 | 400.9 | 6,100 | |
| Total growing stock | 2,250.9 | 30,008 | 1,040.9 | 13,696 | 1,210.0 | 16,312 | |
| Cull trees: | | | | | | | |
| Sound culls: Sawtimber-size trees Poletimber-size trees | 23 ⁴ .5 112.7 | 2,928 1,709 | 32.2 4.8 | 405 71 | 202.3 | 2,523 1,638 | |
| Total | 347.2 | 4,637 | 37.0 | 476 | 310.2 | 4,161 | |
| Rotten culls | 9.7 | 136 | 0.4 | 6 | 9.3 | 130 | |
| Total cull trees | 356.9 | 4,773 | 37.4 | 482 | 319.5 | 4,291 | |
| Hardwood limbs | 106.8 | 1,332 | | | 106.8 | 1,332 | |
| Harawood Timbb | | | | | | | |
| Salvable dead trees | 0.5 | 6 | 0.3 | 4 | 0.2 | 2 | |

Table 13.--Net volume of timber on commercial forest land by species group, class of material, and Survey Unit, South Carolina, 1958 (continued)

| Class of material | То | tal | Soft | boow | Hard | wood |
|---------------------------------------------------------------|------------------|-----------------------------------|------------------|-----------------|-----------------|-----------------|
| | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords |
| | NO | RTHERN COA | STAL PLAIN | | | |
| Sawtimber trees: | | | | | | |
| Saw-log portion Upper stem | 2,150.4 776.7 | 26 ,9 06 9 , 968 | 1,187.6 362.2 | 14,917 4,609 | 962.8 414.5 | 11,989 5,359 |
| Total | 2,927.1 | 36,874 | 1,549.8 | 19,526 | 1,377.3 | 17,348 |
| Poletimber trees | 1,038.4 | 16,188 | 412.3 | 6,589 | 626.1 | 9,599 |
| Total growing stock | 3,965.5 | 53,062 | 1,962.1 | 26,115 | 2,003.4 | 26,947 |
| Cull trees: | | | | | | |
| Sound culls: Sawtimber-size trees Poletimber-size trees | 360.8 149.8 | 4,516 2,309 | 57.0 8.4 | 704 134 | 303.8 141.4 | 3,812 2,175 |
| Total | 510.6 | 6,825 | 65.4 | 838 | 445.2 | 5,987 |
| Rotten culls | 20.6 | 275 | 1.7 | 20 | 18.9 | 255 |
| Total cull trees | 531.2 | 7,100 | 67.1 | 858 | 464.1 | 6,242 |
| Hardwood limbs | 192.9 | 2,367 | | | 192.9 | 2,367 |
| Salvable dead trees | 0.9 | 13 | 0.4 | 5 | 0.5 | 8 |
| All timber | 4,690.5 | 62,542 | 2,029.6 | 26,978 | 2,660.9 | 35,564 |
| | | PIEDM | TNO | | | |
| Sawtimber trees: | | | | | | |
| Saw-log portion Upper stem | 1,191.8 | 15,151 5,409 | 689.9 215.9 | 8,884 2,815 | 501.9 196.8 | 6,267 2,594 |
| Total | 1,604.5 | 20,560 | 905.8 | 11,699 | 698.7 | 8,861 |
| Poletimber trees | 1,115.2 | 17,487 | 610.9 | 9,710 | 504.3 | 7,777 |
| Total growing stock | 2,719.7 | 38,047 | 1,516.7 | 21,409 | 1,203.0 | 16,638 |
| Cull trees: | | | | | | |
| Sound culls: Sawtimber-size trees Poletimber-size trees | 169.9 134.2 | 2,175 2,095 | 42.0 18.2 | 559 293 | 127.9 116.0 | 1,616 1,802 |
| Total | 304.1 | 4,270 | 60.2 | 852 | 243.9 | 3,418 |
| Rotten culls | 21.6 | 338 | 2.0 | 32 | 19.6 | 306 |
| Total cull trees | 325.7 | 4,608 | 62.2 | 884 | 263.5 | 3,724 |
| Hardwood limbs | 61.1 | 759 | | | 61.1 | 759 |
| Salvable dead trees | 1.3 | 17 | 0.8 | 11 | 0.5 | 6 |
| All timber | 3,107.8 | 43,431 | 1,579.7 | 22,304 | 1,528.1 | 21,127 |

Table 14.--Net volume of sawtimber on commercial forest land by diameter class and species, South Carolina, 1958

(In million board feet)

| Chanica | All | | Diamete: | r class (I | ss (In inches) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------|--|--|
| Species | classes | 10 | 12 | 14 | 16-18 | 20+ | | |
| Yellow pine: | | | | | | | | |
| Longleaf pine Slash pine Loblolly pine Shortleaf pine Pond pine Virginia pine Other yellow pine | 1,586.8 214.3 8,645.5 2,085.6 980.7 83.0 64.4 | 538.1 57.9 1,309.3 778.4 224.7 21.9 10.6 | 443.0 44.1 1,516.0 567.4 253.7 29.0 11.5 | 295.7 46.5 1,536.7 356.6 230.4 12.9 3.5 | 280.6 59.5 2,586.9 297.9 203.2 14.4 18.1 | 29.4 6.3 1,696.6 85.3 68.7 4.8 20.7 | | |
| Total | 13,660.3 | 2,940.9 | 2,864.7 | 2,482.3 | 3,460.6 | 1,911.8 | | |
| Other softwoods: | | | | | | | | |
| White pine Cypress Redcedar | 151.0 1,501.0 75.9 | 8.1 190.4 29.0 | 11.2 312.0 18.7 | 4.8 284.6 6.5 | 50.0 402.3 15.0 | 76.9 311.7 6.7 | | |
| Total | 1,727.9 | 227.5 | 341.9 | 295.9 | 467.3 | 395•3 | | |
| Total softwoods | 15,388.2 | 3,168.4 | 3,206.6 | 2,778.2 | 3,927.9 | 2,307.1 | | |
| Preferred hardwoods: | | | | | | | | |
| Sweetgum Yellow-poplar White and swamp | 2,624.7 845.5 | na na | 572.7 176.5 | 565.4 163.4 | 806.8 283.4 | 679.8 222.2 | | |
| chestnut oaks No. red and swamp | 765.5 | and date | 203.3 | 154.4 | 202.3 | 205.5 | | |
| red oaks Ash Hard maple Yellow birch Black walnut | 313.9 430.0 9.2 4.2 16.1 | | 50.6 137.0 5.8 2.1 | 60.8 105.1 3.4 | 71.5 106.5 14.0 | 131.0 81.4 4.2 | | |
| Total | 5,009.1 | - | 1,148.0 | 1,052.5 | 1,484.5 | 1,324.1 | | |
| Other hardwoods: | | | | | | | | |
| Tupelo and blackgum Cottonwood Soft maple Other white oaks Other red oaks Hickory Beech Dogwood, holly, persimmon Other hardwoods | 2,967.5 84.5 695.8 645.4 2,240.5 669.3 99.5 22.9 707.7 | | 595.8 10.9 175.5 123.4 387.4 130.1 10.0 6.4 149.6 | 737.8 21.8 169.6 99.8 346.3 107.2 20.2 12.0 | 939.8 16.1 208.3 193.8 617.2 196.2 24.4 4.5 227.9 | 694.1 35.7 142.4 228.4 889.6 235.8 44.9 | | |
| Total | 8,133.1 | The second section of the section of the section of the second section of the section of t | 1,589.1 | 1,649.2 | 2,428.2 | 2,466.6 | | |
| Total hardwoods | 13,142.2 | Auth CES | 2,737.1 | 2,701.7 | 3,912.7 | 3,790.7 | | |
| All species | 28,530.4 | 3,168.4 | 5,943.7 | 5,479.9 | 7,840.6 | 6,097.8 | | |

Table 15.--Net volume of growing stock on commercial forest land by diameter class and species,

South Carolina, 1958

| | | | | Diam | ameter class (In inches) | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------|--|--|
| Species | All cl | asses | | 5 | 8 | | 1 | .0 | | |
| | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | | |
| Yellow pine: | | | | | | | | | | |
| Longleaf pine Slash pine Loblolly pine Shortleaf pine Pond pine Virginia pine Other yellow pine | 510.3 69.7 2,348.3 814.5 302.8 54.5 16.5 | 7,045 965 31,581 11,699 4,179 796 215 | 48.1 11.1 254.9 162.4 34.5 15.4 1.6 | 820 186 4,374 2,767 592 257 26 | 99.6 10.6 293.8 191.9 52.6 18.1 1.8 | 1,497 153 4,403 2,850 789 264 26 | 122.0 13.2 341.0 186.8 59.0 6.4 2.6 | 1,651 181 4,595 2,568 800 89 35 | | |
| Total : | 4,116.6 | 56,480 | 528.0 | 9,022 | 668.4 | 9,982 | 731.0 | 9,919 | | |
| Other softwoods: White pine Cypress Redcedar | 25.8 349.1 28.2 | 284 4,091 365 | 0.2 7.2 6.3 | 3 110 95 | 28.3 6.1 | 381 81 | 2.1 52.5 6.8 | 26 644 85 | | |
| Total | 403.1 | 4,740 | 13.7 | 208 | 34.4 | 462 | 61.4 | 755 | | |
| Total softwoods | 4,519.7 | 61,220 | 541.7 | 9,230 | 702.8 | 10,444 | 792.4 | 10,674 | | |
| Preferred hardwoods: | | | | | | | | | | |
| Sweetgum Yellow-poplar White and swamp | 860.8 240.1 | 11,625 3,188 | 64.6 11.4 | 1,152 208 | 104.4 | 1,593 325 | 122.2 25.9 | 1,691 358 | | |
| chestnut oaks No. red and swamp red oaks | 265.9 91.6 | 3,637 1,229 | 25.5 | 457 108 | 33.3 | 506 169 | 8.5 | 557 120 | | |
| Ash Hard maple Yellow birch Black walnut | 194.8 4.8 0.9 5.1 | 2,745 70 11 66 | 27·3 1·1 0·5 | 481 21 8 | 34.9 | 533 | 35.2 1.3 0.8 | 494 18 11 | | |
| Total | 1,664.0 | 22,571 | 136.6 | 2,435 | 205.1 | 3,126 | 234.4 | 3,249 | | |
| Other hardwoods: | | | | | | | , | | | |
| Tupelo and blackgum Cottonwood Soft maple Other white oaks Other red oaks Hickory Beech Dogwood, holly, persimmon Other hardwoods | 960.7 24.8 264.3 199.7 749.6 203.5 27.4 39.0 283.4 | 12,811 331 3,637 2,680 10,246 2,738 356 609 3,918 | 31.0 1.6 28.1 18.1 89.4 20.3 1.2 16.1 31.2 | 572 29 494 319 1,579 358 21 280 552 | 91.4 2.3 38.7 20.4 92.9 18.9 10.9 45.7 | 1,391 36 586 309 1,416 292 168 702 | 151.1 2.1 40.8 24.7 102.6 22.0 3.7 6.6 43.4 | 2,134 30 571 344 1,428 308 52 91 604 | | |
| Total | | 37,326 | | 4,204 | 321.2 | 4,900 | 397.0 | 5,562 | | |
| Total hardwoods | 4,416.4 | 59,897 | 373.6 | 6,639 | 526.3 | 8,026 | 631.4 | 8,811 | | |
| All species | 8,936.1 | 121,117 | 915.3 | 15,869 | 1,229.1 | 18,470 | 1,423.8 | 19,485 | | |

Table 15.--Net volume of growing stock on commercial forest land by diameter class and species,

South Carolina, 1958 (continued)

| G | | | Diam | eter clas | ss (In in | ches) | | |
|----------------------------------|---------------|--------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|------------|
| Species | 1 | 2 | 1 | | 16- | | 20 |)+ |
| | Million | Thousand | Million | Thousand | Million | Thousand | Million | Thousand |
| | cu. ft. | cords | cu. ft. | cords | cu. ft. | cords | cu. ft. | cords |
| Yellow pine: | | | | | | | | |
| Longleaf pine | 110.9 | 1,469 145 | 66.0 10.4 | 835 134 | 58.4 12.2 | 712 152 | 5.3 1.2 | 61 14 |
| Slash pine Loblolly pine | 345.1 | 4,502 | 320.4 | 4,101 | 489.8 | 6,034 | 303.3 | 3,572 |
| Shortleaf pine | 127.4 | 1,687 | 73.2 | 932 | 57.5 | 715 | 15.3 | 180 |
| Pond pine Virginia pine | 58 . 2 | 764 96 | 47.9 3.1 | 619 39 | 38.3 3.2 | 470 | 12.3 | 145 12 |
| Other yellow pine | 2.6 | 34 | 0.7 | 9 | 3.4 | 39 42 | 3.8 | 43 |
| Total | 662.5 | 8,697 | 521.7 | 6,669 | 662.8 | 8,164 | 342.2 | 4,027 |
| Other softwoods: | | | | hould be a second of the secon | | | | |
| White pine | 2.4 | 29 | 0.9 | 10 | 8.4 | 92 | 11.8 | 124 |
| Cypress Redcedar | 71.4 3.9 | 850 46 | 59.1 1.2 | 681 14 | 78.8 2.8 | 886 32 | 51.8 1.1 | 539 12 |
| Total | 77.7 | 925 | 61.2 | 705 | 90.0 | 1,010 | 64.7 | 675 |
| Total softwoods | 740.2 | 9,622 | 582.9 | 7,374 | 752.8 | 9,174 | 406.9 | 4,702 |
| Preferred hardwoods: | | | | | | | | |
| Sweetgum | 136.0 | 1,806 | 129.6 | 1,662 | 173.7 | 2,145 | 130.3 | 1,576 |
| Yellow-poplar | 42.1 | 562 | 37.3 | 481 | 59•7 | 743 | 42.4 | 511 |
| White and swamp chestnut oaks | 46.9 | 627 | 35.2 | 453 | 43.6 | 541 | 40.9 | 496 |
| No. red and swamp | | | | | _ | | | 0 |
| red oaks Ash | 11.4 32.9 | 153 | 13.8 24.7 | 180 317 | 15.2 23.2 | 191 289 | 25.3 16.6 | 308 201 |
| Hard maple | 1.5 | 430 20 | 0.9 | 311 | ~J•~ | 209 | 10.0 | 201 |
| Yellow birch | em 🕳 | | | | | | 0.9 | 11 |
| Black walnut | 0.5 | 6 | | | 3•3 | 41 | | |
| Total | 271.3 | 3,604 | 241.5 | 3,104 | 318.7 | 3,950 | 256.4 | 3,103 |
| Other hardwoods: | | | | | | | | |
| Tupelo and blackgum | 162.9 | 2,118 | 190.7 | 2,484 | 199.4 | 2,495 | 134.2 | 1,617 |
| Cottonwood Soft maple | 2.6 42.1 | 34 545 | 5.3 39.6 | 69 517 | 3·5 45·2 | 44 565 | 7.4 29.8 | 89 359 |
| Other white oaks | 28.3 | 374 | 22.9 | 291 | 41.3 | | 44.0 | 531 |
| Other red oaks | 85.7 | 1,148 | 77.9 | 1,000 | 129.1 | 1,593 | 172.0 | 2,082 |
| Hickory | 31.0 | 412 | 24.2 | 310 | 41.4 | 511 | 45.7 | 547 |
| Beech Dogwood, holly, persimmon | 2.5 | 34 19 | 4.9 2.9 | 65 39 | 5.6 1.0 | 69 12 | 9•5 | 115 |
| Other hardwoods | 39.0 | 509 | 32.6 | 420 | 51.4 | 643 | 40.1 | 488 |
| Total | 395.6 | 5,193 | 401.0 | 5,195 | 517.9 | 6,444 | 482.7 | 5,828 |
| Total hardwoods | 666.9 | 8,797 | 642.5 | 8,299 | 836.6 | 10,394 | 739.1 | 8,931 |
| All species | 1,407.1 | 18,419 | 1,225.4 | 15,673 | 1,589.4 | 19,568 | 1,146.0 | 13,633 |

Table 16.--Net volume of timber on commercial forest land by diameter class, species group, class of material, and Survey Unit, South Carolina, 1958

| Species group and | All c | laggor. | | Diame | eter clas | ss (In inc | ches) | |
|----------------------|--------------------|------------------|-----------------|----------------|-----------------|-----------------------|-----------------|-----------------|
| class of material | ALL C. | Lasses | . 6 | Ó | } | 3 | 10 | |
| | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords |
| | | | STA | \TE | | | | |
| Growing stock: | | | | | | | | |
| Softwood Hardwood | 4,519.7 4,416.4 | 61,220 59,897 | 541.7 373.6 | 9,230 6,639 | 702.8 526.3 | | 792.4 631.4 | 10,674 8,811 |
| Total | 8,936.1 | 121,117 | 915.3 | 15,869 | 1,229.1 | 18,470 | 1,423.8 | 19,485 |
| Sound culls: | | | | | | | | |
| Softwood Hardwood | 162.6 999.3 | 2,166 13,566 | 12.3 82.6 | 213 1,482 | 19.1 135.4 | 285 2 , 066 | 41.4 147.3 | 571 2,067 |
| Total | 1,161.9 | 15,732 | 94.9 | 1,695 | 154.5 | 2,351 | 188.7 | 2,638 |
| Rotten culls | 51.9 | 749 | 12.3 | 217 | 13.6 | 208 | 5.7 | 82 |
| Hardwood limbs | 360.8 | 4,458 | | | | | | |
| All timber | 10,510.7 | 142,056 | 1,022.5 | 17,781 | 1,397.2 | 21,029 | 1,618.2 | 22,205 |
| | | SOUT | THERN COA | STAL PLA | EN | | | |
| Growing stock: | | | | | | | | |
| Softwood Hardwood | 1,040.9 | 13,696 16,312 | 74.9 86.4 | 1,238 1,533 | 146.4 145.8 | 2,137 2,203 | 179.8 168.7 | 2,418 2,364 |
| Total | 2,250.9 | 30,008 | 161.3 | 2,771 | 292.2 | 4,340 | 348.5 | 4,782 |
| Sound culls: | | | | | | | | |
| Softwood Hardwood | 37.0 310.2 | 476 4,161 | 0.9 18.4 | 14 348 | 3.9 41.4 | 57 616 | 9•5 48•1 | 127 674 |
| Total | 347.2 | 4,637 | 19.3 | 362 | 45.3 | 673 | 57.6 | 801 |
| Rotten culls | 9.7 | 136 | 1.7 | 33 | 1.2 | 20 | 1.2 | 18 |
| Hardwood limbs | 106.8 | 1,332 | - | | | | | |
| All timber | 2,714.6 | 36,113 | 182.3 | 3,166 | 338.7 | 5,033 | 407.3 | 5,601 |

Table 16.--Net volume of timber on commercial forest land by diameter class, species group, class of material, and Survey Unit, South Carolina, 1958 (continued)

| Species group and | | | Dian | meter cla | ss (In ir | nches) | | |
|----------------------|-----------------|-----------------------|-----------------|----------------|-----------------|-----------------|-----------------|-------------------|
| class of material | | L2 | | L4 | 16- | -18 | 20+ | |
| | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords |
| | | | S | CATE | | | | |
| Growing stock: | | | | | | | | |
| Softwood Hardwood | 740.2 666.9 | 9,622 8,797 | 582.9 642.5 | 7,374 8,299 | 752.8 836.6 | 9,174 10,394 | 406.9 739.1 | 4,702 8,931 |
| Total | 1,407.1 | 18,419 | 1,225.4 | 15,673 | 1,589.4 | 19,568 | 1,146.0 | 13,633 |
| Sound culls: | | | | | | | | |
| Softwood Hardwood | 30.2 145.2 | 399 1 , 902 | 16.8 | 206 1,570 | 24.4 169.8 | 294 2,091 | 18.4 197.1 | 198 2,388 |
| Total | 175.4 | 2,301 | 138.7 | 1,776 | 194.2 | 2,385 | 215.5 | 2,586 |
| Rotten culls | 2.8 | 34 | 2.5 | 31 | 5.4 | 68 | 9.6 | 109 |
| Hardwood limbs | 36.7 | 473 | 27.3 | 323 | 93•7 | 1,249 | 203.1 | 2,413 |
| All timber | 1,622.0 | 21,227 | 1,393.9 | 17,803 | 1,882.7 | 23,270 | 1,574.2 | 18,741 |
| | | SOU | THERN CO | ASTAL PLA | IN | | | |
| Growing stock: | | | | | | | | |
| Softwood Hardwood | 178.1 189.1 | 2,284 2,507 | 160.4 188.7 | 1,998 2,435 | 203.8 232.0 | 2,495 2,871 | 97•5 199•3 | 1,126 2,399 |
| Total | 367.2 | 4,791 | 349.1 | 4,433 | 435.8 | 5,366 | 296.8 | 3,525 |
| Sound culls: | | | | | | | | |
| Softwood Hardwood | 8.4 41.7 | 107 548 | 5•5 36•0 | 67 461 | 6.9 60.6 | 83 744 | 1.9 64.0 | 21 77 0 |
| Total | 50.1 | 655 | 41.5 | 528 | 67.5 | 827 | 65.9 | 791 |
| Rotten culls | 0.9 | 12 | 0.6 | 7 | 1.4 | 17 | 2.7 | . 29 |
| Hardwood limbs | 13.5 | 182 | 8.0 | 100 | 27.9 | 373 | 57.4 | 677 |
| All timber | 431.7 | 5,640 | 399•2 | 5,068 | 532.6 | 6 , 583 | 422.8 | 5,022 |

Table 16.--Net volume of timber on commercial forest land by diameter class, species group, class of material, and Survey Unit, South Carolina, 1958 (continued)

| Species group and | All cl | 25565 | Diameter class (In inches) | | | | | | |
|----------------------|--------------------|-----------------------|----------------------------|----------------|----------------------|----------------|-----------------|----------------|--|
| class of material | AII CI | _asses | 6 | 5 | 8 10 | | | 10 | |
| | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | |
| | | NO | RTHERN CO | DASTAL PL | AIN | | | | |
| Growing stock: | | | | | | | | | |
| Softwood Hardwood | 1,962.1 2,003.4 | 26,115 26,947 | 169.1 139.4 | 2,934 2,489 | 243.2 209.9 | 3,655 3,217 | 302.6 276.8 | 4,036 3,893 | |
| Total | 3,965.5 | 53,062 | 308.5 | 5,423 | 453.1 | 6,872 | 579.4 | 7,929 | |
| Sound culls: | | | | | | | | | |
| Softwood Hardwood | 65.4 445.2 | 838 5 , 987 | 2.9 28.3 | 51 503 | 5•5 54•4 | 83 844 | 16.7 58.7 | 229 828 | |
| Total | 510.6 | 6,825 | 31.2 | 554 | 59•9 | 927 | 75.4 | 1,057 | |
| Rotten culls | 20.6 | 275 | 2.4 | 40 | 3.7 | 58 | 2.5 | 35 | |
| Hardwood limbs | 192.9 | 2,367 | | | | | | | |
| All timber | 4,689.6 | 62,529 | 342.1 | 6,017 | 516.7 | 7,857 | 657.3 | 9,021 | |
| | | | PIEDN | TNON | | | | | |
| Growing stock: | | | | | | | | | |
| Softwood Hardwood | 1,516.7 1,203.0 | 21,409 16,638 | 297.7 147.8 | 5,058 2,617 | 313.2 170.6 | 4,652 2,606 | 310.0 185.9 | 4,220 2,554 | |
| Total | 2,719.7 | 38,047 | 445.5 | 7,675 | 483.8 | 7,258 | 495.9 | 6,774 | |
| Sound culls: | | | | | | | | | |
| Softwood Hardwood | 60.2 243.9 | 852 3 , 418 | 8.5 35.9 | 148 631 | 9•7 39 . 6 | 145 606 | 15.2 40.5 | 215 565 | |
| Total | 304.1 | 4,270 | 7171 • 71 | 779 | 49.3 | 751 | 55.7 | 7 80 | |
| Rotten culls | 21.6 | 338 | 8.2 | 144 | 8.7 | 130 | 2.0 | 29 | |
| Hardwood limbs | 61.1 | 75 9 | | | | | | | |
| All timber | 3,106.5 | 43,414 | 498.1 | 8,598 | 541.8 | 8,139 | 553.6 | 7 , 583 | |

Table 16.--Net volume of timber on commercial forest land by diameter class, species group, class of material, and Survey Unit, South Carolina, 1958 (continued)

| Species group | | | Dian | neter clas | ss (In ir | nches) | | |
|----------------------|-----------------|----------------|-----------------|--------------------|-----------------|----------------|-----------------------------------------|----------------|
| class of material | 1 | .2 | | _4 | 16- | -18 | 20 | D+ |
| | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords | Million cu. ft. | Thousand cords |
| | | NO | RTHERN CO | DASTAL PL | AIN | | *************************************** | |
| Growing stock: | | | | | | | | |
| Softwood Hardwood | 340.7 282.7 | 4,452 3,689 | 276.1 301.2 | 3,525 3,906 | 402.7 399.1 | 4,877 4,984 | 227.7 394.3 | 2,636 4,769 |
| Total | 623.4 | 8,141 | 577•3 | 7,431 | 801.8 | 9,861 | 622.0 | 7,405 |
| Sound culls: | | | | | | | | |
| Softwood Hardwood | 8.6 65.8 | 115 858 | 8.9 57.1 | 109 7 39 | 11.0 80.3 | 130 991 | 11.8 100.6 | 121 1,224 |
| Total | 74.4 | 9 7 3 | 66.0 | 848 | 91.3 | 1,121 | 112.4 | 1,345 |
| Rotten culls | 1.2 | 14 | 1.5 | 19 | 3.3 | 41 | 6.0 | 68 |
| Hardwood limbs | 20.1 | 234 | 12.9 | 146 | 45.7 | 632 | 114.2 | 1,355 |
| All timber | 719.1 | 9,362 | 657.7 | 8,444 | 942.1 | 11,655 | 854.6 | 10,173 |
| | | | PIED | MONT | | | | |
| Growing stock: | | | | | | | | |
| Softwood Hardwood | 221.4 195.1 | 2,886 2,601 | 146.4 152.6 | 1,851 1,958 | 146.3 205.5 | 1,802 2,539 | 81.7 145.5 | 940 1,763 |
| Total | 416.5 | 5,487 | 299.0 | 3,809 | 351.8 | 4,341 | 227.2 | 2,703 |
| Sound culls: | | | | | | | | |
| Softwood Hardwood | 13.2 37.7 | 177 496 | 2.4 28.8 | 30 3 7 0 | 6.5 28.9 | 81 356 | 4.7 32.5 | 56 394 |
| Total | 50.9 | 673 | 31.2 | 400 | 35.4 | 437 | 37•2 | 450 |
| Rotten culls | 0.7 | 8 | 0.4 | 5 | 0.7 | 10 | 0.9 | 12 |
| Hardwood limbs | 3.1 | 57 | 6.4 | 77 | 20.1 | 244 | 31.5 | 381 |
| All timber | 471.2 | 6,225 | 337.0 | 4,291 | 408.0 | 5,032 | 296.8 | 3 , 546 |

Table 17.--Net volume of sawtimber on commercial forest land by species and log grade, South Carolina, 1958

(In million board feet)

| | All | | Log { | grade | |
|---------------------------------------------------------|--------------------------------------|-----------------------|--------------------------------|-----------------------------------|--------------------------------|
| Species | grades | 1 | 2 | 3 | 4 |
| Softwoods: | | | | | |
| Yellow pine White pine Cypress Other softwoods | 13,660.3 151.0 1,501.0 75.9 | 323.6 6.7 119.7 | 3,566.6 3.8 920.8 | 6,103.7 113.4 367.7 69.9 | 3,666.4 27.1 92.8 6.0 |
| Total | 15,388.2 | 450.0 | 4,491.2 | 6,654.7 | 3,792.3 |
| Hardwoods: | | | | | |
| Preferred white and red oaks1/Other white and | 1,079.4 | 211.6 | 123.0 | 439•5 | 305•3 |
| red oaks Hickory Yellow birch | 2,885.9 669.3 4.2 | 181.4 59.5 0.8 | 369.8 122.8 1.3 | 625.1 213.7 1.3 | 1,709.6 273.3 0.8 |
| Hard maple Sweetgum Tupelo and blackgum Ash | 9.2 2,624.7 2,967.5 430.0 | 237·5 532·5 | 0.6 572.7 665.1 125.7 | 7.0 845.4 1,177.8 188.2 | 1.6 969.1 592.1 116.1 |
| Yellow-poplar Black walnut Other hardwoods | 845.5 16.1 1,610.4 | 28.5 117.3 | 121.2 8.7 351.4 | 244.9 7.4 647.2 | 450.9 494.5 |
| Total | 13,142.2 | 1,369.1 | 2,462.3 | 4,397.5 | 4,913.3 |
| All species | 28,530.4 | 1,819.1 | 6,953.5 | 11,052.2 | 8,705.6 |

Table 18.--Net volume of salvable dead trees on commercial forest land by species group, South Carolina, 1958

| Species group | Voli | ume |
|---------------|--------------------|-----------------|
| | Million bd. ft. | Million cu. ft. |
| Softwood | 4.5 | 1.5 |
| Hardwood | on en | 1.2 |
| Total | 4.5 | 2.7 |

Table 19.--Number of growing stock, cull, and salvable dead trees on commercial forest land by species group, diameter class, and Survey Unit, South Carolina, 1958

(In thousand trees) Tree quality Diameter class (In inches) and Total 6 8 2 10 species group STATE Growing stock: 2,277,840 1,149,530 532**,**362 276,676 147,372 80,596 Softwood 3,509,851 564,877 2,436,742 220,268 68,774 112,079 Hardwood 5,787,691 496,944 3,586,272 259,451 149,370 Total 1,097,239 Sound culls: 6,181 187,260 130,217 28,212 12,301 5,567 Softwood 77,858 2,040,788 Hardwood 1,620,494 256,179 34,950 21,017 2,228,048 284,391 90,159 40,517 27,198 Total 1,750,711 Rotten culls: 46,114 Softwood 52,072 4,131 1,402 297 98 215,011 170,162 26,722 10,016 4,485 1,129 Hardwood 267,083 216,276 30,853 11,418 4,782 Total 1,227 46 Salvable dead trees 318 125 95 598,646 304,845 177,841 8,283,140 5,553,259 1,412,483 All trees SOUTHERN COASTAL PLAIN Growing stock: 342,825 152,864 80,288 39,603 29,328 17,723 Softwood 18,347 798,011 542,779 121,542 53,860 31,062 Hardwood 1,140,836 695,643 201,830 93,463 60,390 36,070 Total Sound culls: 6,659 2,539 69,486 13,556 855 1,295 Softwood 975 520,546 406,260 18,371 10,326 6,757 Hardwood 412,919 19,226 11,301 8,052 Total 534,102 72,025 Rotten culls: 5,980 706 149 5,122 Softwood 49,882 Hardwood 41,711 5,006 1,538 607 311 607 55,862 46,833 1,687 311 Total 5,712 44 11 3 Salvable dead trees 70 44,436 114,420 279,567 72,309 All trees 1,730,870 1,155,395

Table 19.--Number of growing stock, cull, and salvable dead trees on commercial forest land by species group, diameter class, and Survey Unit, South Carolina, 1958 (continued)

(In thousand trees) Tree quality Diameter class (In inches) and 14 16 18 species group 12 20 22+ STATE Growing stock: 44,432 23,055 2,628 12,679 6,166 Softwood 2,344 44,145 28,188 15,602 8,579 4,867 Hardwood 5,730 88,577 Total 51,243 28,281 14,745 8,074 7,495 Sound culls: 2,763 629 Softwood 917 229 135 109 2,618 Hardwood 12,942 7,125 4,093 1,420 2,092 15,705 8,042 2,847 Total 4,722 1,555 2,201 Rotten culls: Softwood 20 10 _ _ Hardwood 943 501 407 231 121 294 Total 943 501 427 231 121 304 Salvable dead trees 13 18 8 8 3 2 105,238 59,804 33,438 17,831 10,581 All trees 9,174 SOUTHERN COASTAL PLAIN Growing stock: 10,413 6,31.6 3,407 628 538 Softwood 1,717 Hardwood 12,455 8,225 4,738 2,100 1,391 1,512 22,868 Total 14,541 8,145 3,817 2,019 2,050 Sound culls: 6 681 Softwood 294 172 58 22 Hardwood 3,699 2,066 669 1,504 905 503 675 4,380 1,676 963 525 Total 2,360 Rotten culls: Sof twood 74 Hardwood 300 120 119 43 53 43 77 Total 300 120 119 53 Salvable dead trees 2 7 2 1 ___ 9,942 4,823 2,802 All trees 27,550 17,028 2,598

Table 19.--Number of growing stock, cull, and salvable dead trees on commercial forest land by species group, diameter class, and Survey Unit, South Carolina, 1958 (continued)

(In thousand trees)

| Tree quality | | | 7.1 | 2 / = | | |
|----------------------|--------------------|----------------------|--------------------|-----------------------|------------------|------------------|
| and species group | Total | 2 | Diameter 4 | class (in | inches) | 10 |
| species group | | IORTHERN COA | | | | |
| | 1 | TORTHERN COA | | | | |
| Growing stock: | | | | | | |
| Softwood Hardwood | 728,544 | 354,418 1,094,350 | 165,651 235,984 | 85,818 92,615 | 48,807 44,449 | 30,127 30,028 |
| Total | 2,274,683 | 1,448,768 | 401,635 | 178,433 | 93,256 | 60,155 |
| Sound culls: | | | | | | |
| Softwood Hardwood | 38,660 790,804 | 27,113 634,358 | 3,256 92,306 | 2,932 28,253 | 1,370 13,548 | 2,361 8,288 |
| Total | 829,464 | 661,471 | 95,562 | 31,185 | 14,918 | 10,649 |
| Rotten culls: | | | | | | |
| Softwood Hardwood | 7,150 59,813 | 5,859 49,129 | 1,059 4,790 | 107 2 , 256 | 1,869 | 98 509 |
| Total | 66,963 | 54,988 | 5,849 | 2,363 | 1,869 | 607 |
| Salvable dead trees | 124 | | | 69 | 17 | 21 |
| All trees | 3,171,234 | 2,165,227 | 503,046 | 212,050 | 110,060 | 71,432 |
| | | PIEDMO | DIVIT | | | |
| Growing stock: | | | | | | |
| Softwood Hardwood | 1,206,471 | 642,248 799,613 | 286,423 207,351 | 151,255 73,793 | 69,237 36,568 | 32,746 20,399 |
| Total | 2,372,172 | 1,441,861 | 493,774 | 225,048 | 105,805 | 53,145 |
| Sound culls: | | | | | | |
| Softwood Hardwood | 135,044 729,438 | 96,445 579,876 | 22,417 94,387 | 8,514 31,234 | 3,222 11,076 | 2,525 5,972 |
| Total | 864,482 | 676,321 | 116,804 | 39,748 | 14,298 | 8,497 |
| Rotten culls: | | | | | | |
| Softwood Hardwood | 38,942 105,316 | 35,133 79,322 | 2,366 16,926 | 1,146 6,222 | 297 2,009 | 309 |
| Total | 144,258 | 114,455 | 19,292 | 7,368 | 2,306 | 309 |
| | 201 | | | 12 | 67 | 22 |
| Salvable dead trees | 124 | | | 12 | 01 | |

Table 19.--Number of growing stock, cull, and salvable dead trees on commercial forest land by species group, diameter class, and Survey Unit, South Carolina, 1958 (continued)

| • | | (In thous | and trees) | | | |
|----------------------|------------------|-----------------------|----------------|----------------|----------------|----------------|
| Tree quality | | Di | ameter class | s (In inche | :s) | |
| and species group | 12 | 14 | 16 | 18 | 20 | 22+ |
| | Ŋ | ORTHERN CO. | ASTAL PLAIN | | | |
| Growing stock: | | | | | | |
| Softwood Hardwood | 20,089 18,523 | 10,777 13,137 | 6,638 7,114 | 3,383 4,369 | 1,482 2,452 | 1,354 3,118 |
| Total | 38,612 | 23,914 | 13,752 | 7,752 | 3,934 | 4,472 |
| Sound culls: | | | | | | |
| Softwood Hardwood | 715 5,818 | 467 3 , 306 | 222 1,939 | 125 1,215 | 13 663 | 86 1,110 |
| Total | 6 , 533 | 3,773 | 2,161 | 1,340 | 676 | 1,196 |
| Rotten culls: | | | | | | |
| Softwood Hardwood | 406 | 302 | 20 230 | 121 | 32 | 7 169 |
| Total | 406 | 302 | 250 | 121 | 32 | 176 |
| Salvable dead trees | 5 | 3 | 4 | 3 | 1 | 1 |
| All trees | 45,556 | 27,992 | 16,167 | 9,216 | 4,643 | 5,845 |
| | | PIEDI | TNOM | | | |
| Growing stock: | | | | | | |
| Softwood Hardwood | 13,930 13,167 | 5,962 6,826 | 2,634 3,750 | 1,066 2,110 | 518 1,024 | 452 1,100 |
| Total | 27,097 | 12,788 | 6 , 384 | 3,176 | 1,542 | 1,552 |
| Sound culls: | | | | | | |
| Softwood Hardwood | 1,367 3,425 | 156 1 , 753 | 235 650 | 46 498 | 100 254 | 17 313 |
| Total | 4,792 | 1,909 | 885 | 544 | 354 | 330 |
| Rotten culls: | | | | | | |
| Softwood Hardwood | 237 | 79 | 58 | 67 | 36 | 51 |
| Total | 237 | 7 9 | 58 | 67 | 36 | 51 |
| Salvable dead trees | 6 | 8 | 2 | 5 | 1 | 1 |
| All trees | 32,132 | 14,784 | 7,329 | 3 , 792 | 1,933 | 1,934 |

Table 20.--Average net sawtimber volume per acre on commercial forest land by ownership, major forest type, species group, and Survey Unit, South Carolina, 1958

(In board-feet)

| Type and species group | All ownerships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
|------------------------|-----------------------|-------------------------|--------------------------------|---------------------------------------|-----------------------|----------------|-----------------------|
| | | | STATE | | | | |
| Pine types: | | | | | | | |
| Softwood Hardwood | 2,117 149 | 4,326 225 | 1,302 49 | 2,074 74 | 2,163 197 | 1,930 138 | 1,962 139 |
| Total | 2,266 | 4,551 | 1,351 | 2,148 | 2,360 | 2,068 | 2,101 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 1,241 1,121 | 2,638 2,186 | | | 1,531 1,335 | 1,102 1,019 | 1,129 1,037 |
| Total | 2,362 | 4,824 | | | 2,866 | 2,121 | 2,166 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 419 2 , 110 | 1,297 1,8 7 1 | 1 7 2 1 , 755 | 139 758 | 833 2 , 815 | 323 1,910 | 418 2 , 512 |
| Total | 2,529 | 3,168 | 1,927 | 897 | 3,648 | 2,233 | 2,930 |
| All types: | | | | | | | |
| Softwood Hardwood | 1,289 1,101 | 3,467 801 | 796 739 | 1,256 363 | 1,598 1,298 | 1,081 1,071 | 1,229 1,231 |
| Total | 2,390 | 4,268 | 1,535 | 1,619 | 2,896 | 2,152 | 2,460 |
| | | SOUTHER | N COASTAL | PLAIN | | | |
| Pine types: | | | | | | | |
| Softwood Hardwood | 2,037 149 | | 304 37 | 5 , 162 | 2,408 241 | 2,095 143 | 2,014 117 |
| Total | 2,186 | | 341 | 5,162 | 2,649 | 2,238 | 2,131 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 1,370 1,220 | | | | 1,997 1,849 | 1,245 1,012 | 1,222 1,351 |
| Total | 2,590 | | | | 3,846 | 2,257 | 2,573 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 535 2,064 | | 168 2,463 | 1,426 | 1,210 2,659 | 452 1,887 | 331 2,137 |
| Total | 2,599 | | 2,631 | 1,426 | 3,869 | 2,339 | 2,468 |
| All types: | | | | | | | |
| Softwood Hardwood | 1,236 1,189 | | 226 1,215 | 1,882 906 | 1,830 1,491 | 1,154 1,139 | 1,249 1,060 |
| Total | 2,425 | | 1,441 | 2,788 | 3,321 | 2,293 | 2,309 |

Table 20.--Average net sawtimber volume per acre on commercial forest land by ownership, major forest type, species group, and Survey Unit, South Carolina, 1958 (continued)

(In board-feet)

| | | , | | | y | | |
|------------------------|-----------------------|-----------------------|--------------------|---------------------------------------|-----------------------|----------------|-----------------------|
| Type and species group | All ownerships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
| | | NORTHERN | COASTAL | PLAIN | | | |
| Pine types: | | | | | | | |
| Softwood Hardwood | 2,615 179 | 4,118 238 | 2,634 126 | 1,883 24 | 2,182 240 | 2,582 159 | 2 , 799 193 |
| Total | 2,794 | 4,356 | 2,760 | 1,907 | 2,422 | 2,741 | 2,992 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 1,659 1,264 | 2,996 1,727 | | | 1,723 1,244 | 1,477 1,163 | 1,626 1,393 |
| Total | 2,923 | 4,723 | | ery ens | 2,967 | 2,640 | 3,019 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 561 2 , 518 | 2,591 2,163 | 287 2 67 | 175 865 | 728 3 , 202 | 424 2,170 | 654 3,338 |
| Total | 3,079 | 4,754 | 554 | 1,040 | 3,930 | 2,594 | 3,992 |
| All types: | | | | | | | |
| Softwood Hardwood | 1,577 1,361 | 3,612 885 | 1,760 178 | 1,120 399 | 1,568 1,498 | 1,428 1,232 | 1,571 1,951 |
| Total | 2,938 | 4,497 | 1,938 | 1,519 | 3,066 | 2,660 | 3,522 |
| | | P | TEDMONT | | | | |
| Pine type: | | | | | | | |
| Softwood Hardwood | 1,684 121 | 4,454 217 | 1,941 | 2,342 219 | 1,888 80 | 1,190 115 | 1,372 |
| Total | 1,805 | 4,671 | 1,941 | 2,561 | 1,968 | 1,305 | 1,485 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 789 932 | 2,275 2,651 | en en | | 644 792 | 703 903 | 681 607 |
| Total | 1,721 | 4,926 | | | 1,436 | 1,606 | 1,288 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 99 1 , 574 | 352 1 , 658 | | | 224 1,895 | 72 1,621 | 101 1,454 |
| Total | 1,673 | 2,010 | | | 2,119 | 1,693 | 1,555 |
| All types: | | | | | | | |
| Softwood Hardwood | 1,005 742 | 3 , 369 744 | 1,381 | 1,623 152 | 1,337 606 | 657 848 | 881 607 |
| Total | 1,747 | 4,113 | 1,381 | 1,775 | 1,943 | 1,505 | 1,488 |

Table 21.--Average net volume per acre of growing stock and cull timber on commercial forest land by ownership, major forest type, species group, and Survey Unit, South Carolina, 1958

| Forest type, species group, and class of material | Al owner | l ships | Natio fore | | | her eral | | te, y, and cipal | Fore | | Fa | ırm | Misc priva | |
|---------------------------------------------------|----------------|------------|------------------|-------------|----------------|----------------------|-----------------------------|------------------------|----------------|------------|----------------|------------|--------------------------------|------------|
| | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | <u>Cubic</u> <u>feet</u> | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords |
| | | | | - | | STAT | E | | | | | | | |
| Pine types: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 652.2 65.8 | 9.0 0.9 | 1,196.4 117.0 | 16.1 1.7 | 449.9 18.6 | 6.3 0.3 | 630.7 36.9 | 8.7 0.5 | 678.1 69.1 | 9.4 1.0 | 597 . 6 | 8.2 | 626.2 54.2 | 8.7 |
| Total | 718.0 | 9.9 | 1,313.4 | 17.8 | 468.5 | 6.6 | 667.6 | 9.2 | 747.2 | 10.4 | 664.4 | 9.2 | 680.4 | 9.5 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 22.4 | 0.3 | 19.1 42.1 | 0.3 | 15.4 26.9 | 0.2 | 33·3 14·9 | 0.4 0.2 | 16.4 17.2 | 0.2 | 22.5 21.5 | 0.3 0.3 | 27 . 7 20 . 9 | 0.4 |
| Total | 44.5 | 0.6 | 61.2 | 0.9 | 42.3 | 0.6 | 48.2 | 0.6 | 33.6 | 0.4 | 44.0 | 0.6 | 48.6 | 0.7 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 317.9 429.3 | 4.2 5.9 | 588.6 845.4 | 7.5 11.7 | | | | | 386.8 513.3 | 5.1 7.1 | 289.0 389.8 | 3.8 5.4 | 296.3 395.0 | 3·9 5·5 |
| Total | 747.2 | 10.1 | 1,434.0 | 19.2 | | ' | | | 900.1 | 12.2 | 678.8 | 9.2 | 691.3 | 9.4 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 7.2 94.5 | 0.1 1.3 | 9.6 152.3 | 0.1 | 45.9 | 0.7 | | | 19.5 105.1 | 0.3 | 4.8 86.5 | 0.1 1.2 | 5.0 97.5 | 0.1 |
| Total | 101.7 | 1.4 | 161.9 | 2.2 | 45.9 | 0.7 | | | 124.6 | 1.7 | 91.3 | 1.3 | 102.5 | 1.5 |
| Hardwood types: | | | | | | | | | | | | | | |
| Growing stock: Softwood | 100.3 | 12 | 281.7 | 3.2 | 40.0 | 0.5 | 37.6 | 0.5 | 192.9 | 2.3 | 79.0 | 1.0 | 102.1 | 1.2 |
| Hardwood | 681.5 | 9.2 | 669.2 | 9.0 | 552.9 | 7.5 | 257.7 | 3.4 | 895.3 | 12.0 | 631.3 | 8.5 | 766.0 | 10.2 |
| Total | 781.8 | 10.4 | 950.9 | 12.2 | 592.9 | 8.0 | 295•3 | 3.9 | 1,088.2 | 14.3 | 710.3 | 9.5 | 868.1 | 11.4 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 6.4 156.2 | 0.1 | 8.1 130.3 | 0.1 | 2.7 140.6 | (<u>1</u> /) 1.9 | 7.3 60.5 | 0.1 | 6.4 211.8 | 0.1 2.8 | 4.4 140.1 | 0.1 | 13.0 187.3 | 0.1 2.5 |
| Total | 162.6 | 2.2 | 138.4 | 1.9 | 143.3 | 1.9 | 67.8 | 1.0 | 218.2 | 2.9 | 144.5 | 2.0 | 200.3 | 2.6 |
| All types: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 378.7 370.0 | 5.1 5.0 | 926.8 317.7 | 12.3 4.4 | 267.1 234.7 | 3•7 3•2 | 379·9 130·2 | 5.2 1.8 | 466.3 424.7 | 6.3 5.7 | 319.6 368.1 | 4.3 5.0 | 373.1 388.2 | 5.1 5.2 |
| Total | 748.7 | 10.1 | 1,244.5 | 16.7 | 501.8 | 6.9 | 510.1 | 7.0 | 891.0 | 12.0 | 687.7 | 9.3 | 761.3 | 10.3 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwo⊙d | 14.0 87.7 | 0.2 | 15.6 73.5 | 0.2 | 9•7 73•7 | 0.1 | 22.3 34.2 | 0.3 | 12.9 99.3 | 0.2 | 12.1 84.6 | 0.2 | 19.4 98.7 | 0.3 |
| Total | 101.7 | 1.4 | 89.1 | 1.2 | 83.4 | 1.1 | 56.5 | 0.8 | 112.2 | 1.5 | 96.7 | 1.4 | 118.1 | 1.6 |
| All timber | 850.4 | 11.5 | 1,333.6 | 17.9 | 585.2 | 8.0 | 566.6 | 7.8 | 1,003.2 | 13.5 | 784.4 | 10.7 | 879.4 | 11.9 |

^{1/} Less than 0.05 cord per acre.

Table 21.--Average net volume per acre of growing stock and cull timber on commercial forest land by ownership, major forest type, species group, and Survey Unit, South Carolina, 1958 (continued)

| Forest type, spe- | Al | 1 | Nati | onal | Ot | her | Stat | | Fore | est | | | Misc | |
|-----------------------------------|----------------|------------|---------------|-------|----------------|-------------|----------------|----------------|----------------|-------------|----------------|------------|----------------|----------------------|
| cies group, and class of material | owner | ships | for | rest | Fed | eral. | | , and cipal | indus | | Fa | ım | priva | |
| | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords |
| | | | | | SOUTHE | RIN COAS | STAL PLAI | 4 | | | | | | |
| Pine types: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 581.9 52.5 | 7.8 0.7 | | | 197.0 8.3 | 2.9 0.1 | 1,469.1 | 19.7 | 702.6 61.4 | 9.5 0.8 | 580.5 59.7 | 7.8 0.8 | 582.2 36.8 | 7.8 0.5 |
| Total | 634.4 | 8.5 | | | 205.3 | 3.0 | 1,469.1 | 19.7 | 764.0 | 10.3 | 640.2 | 8.6 | 619.0 | 8.3 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 18.8 | 0.2 | | | 6.1 27.7 | 0.1 | | | 20.3 | 0.3 | 18.1 | 0.2 | 23.5 29.6 | 0.3 |
| Total | 41.3 | 0.5 | | | 33.8 | 0.4 | | | 33.6 | 0.5 | 40.7 | 0.5 | 53.1 | 0.7 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 307.3 412.0 | 3·9 5.6 | | | | | | | 464.2 559.7 | 5.9 7.6 | 283.2 386.9 | 3.6 5.3 | 237.2 372.9 | 2.9 4.9 |
| Total | 719.3 | 9.5 | | | | | | | 1,023.9 | 13.5 | 670.1 | 8.9 | 610.1 | 7.8 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 9.0 123.8 | 0.1 1.6 | | | | | | | 21.8 158.2 | 0.3 | 6.5 105.9 | 0.1 | 3.3 163.1 | (<u>1</u> /) 2.2 |
| Total | 132.8 | 1.7 | | | | | | | 180.0 | 2.4 | 112.4 | 1.5 | 166.4 | 2.2 |
| Hardwood types: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 129.5 669.3 | 1.6 9.0 | | | 41.6 784.0 | 0.5 10.7 | 51.2 934.2 | 0.8 | 288.9 859.2 | 3.5 11.5 | 111.0 628.7 | 1.4 8.5 | 75.9 604.6 | 0.9 7.9 |
| Total | 798.8 | 10.6 | | | 825.6 | 11.2 | 985.4 | 13.7 | 1,148.1 | 15.0 | 739•7 | 9.9 | 680.5 | 8.8 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 6.8 166.8 | 0.1 | | | 3.9 157.8 | 0.1 | 78.9 | 1.0 | 11.5 186.1 | 0:1 2:5 | 5.4 160.1 | 0.1 | 9.9 184.7 | 0:1 |
| Total | 173.6 | 2.3 | | | 161.7 | 2.3 | 78.9 | 1.0 | 197.6 | 2.6 | 165.5 | 2.3 | 194.6 | 2.5 |
| All types: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 334.4 388.7 | 4.4 5.2 | | | 113.9 384.9 | 1.6 5.2 | 568.3 593.5 | 7.7 8.2 | 492.7 470.4 | 6.5 6.3 | 307.1 388.2 | 4.0 5.3 | 342.6 301.1 | 4.5 |
| Total | 723.1 | 9.6 | | | 498.8 | | 1,161.8 | | 963.1 | | 695.3 | 9.3 | 643.7 | 8.5 |
| Cull timber: | 1-3-1 | | | | | | | | ,,,,, | | ,, | | | |
| Softwood Hardwood | 12.0 102.6 | 0.2 | | | 4.8 89.8 | 0.1 | 50.1 | 0.6 | 16.5 105.9 | 0.2 | 10.4 | 0.1 | 16.1 105.5 | 0.2 |
| Total | 114.6 | 1.6 | | | 94.6 | 1.3 | 50.1 | 0.6 | 122.4 | 1.6 | 112.7 | 1.5 | 121.6 | 1.6 |
| All timber | 837.7 | 11.2 | | | 593•4 | 8.1 | 1,211.9 | 16.5 | 1,085.5 | 14.4 | 808.0 | 10.8 | 765.3 | 10.1 |

^{1/} Less than 0.05 cord per acre.

Table 21.--Average net volume per acre of growing stock and cull timber on commercial forest land by ownership, major forest type, species group, and Survey Unit, South Carolina, 1958 (continued)

| Forest type, spe- cies group, and class of material | Al owner | ll rehips | Natio fore | | 1 | cher leral | count | te, y, and cipal | Fore | | Fa | .rm | Misc priva | - |
|-----------------------------------------------------------|----------------|--------------|----------------------------------|-------------|---------------|---------------|----------------|------------------------|----------------|----------------------|----------------|----------------------|----------------|------------|
| | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords |
| | | | | | NORTHE | RN COAS | TAL PLAT | N | | | | | | |
| Pine types: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 730.0 74.6 | 9.9 1.1 | 1,115.8 75.5 | 14.9 | 651.6 60.1 | 8.6 0.9 | 585.3 17.4 | 8.1 | 664.8 81.0 | 9.1 1.1 | 693.4 75.4 | 9.4 1.1 | 804.9 80.9 | |
| Total | 804.6 | 11.0 | 1,191.3 | 15.9 | 711.7 | 9.5 | 602.7 | 8.4 | 745.8 | 10.2 | 768.8 | 10.5 | 885.8 | 12.1 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 20.4 25.8 | 0.3 0.4 | 18.5 55.2 | 0.2 0.8 | 31.8 55.0 | 0.4 0.8 | 46.4 15.3 | 0.6 0.3 | 9•3 18•7 | 0.1 0.3 | 21.2 22.2 | 0•3 0•3 | 23.4 32.5 | 0.3 |
| Total | 46.2 | 0.7 | 73•7 | 1.0 | 86.8 | 1.2 | 61.7 | 0.9 | 28.0 | 0.4 | 43.4 | 0.6 | 55•9 | 0.7 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 393.2 459.7 | 5.1 6.3 | 659 . 1 74 6. 1 | 8.3 10.5 | | | | | 414.7 546.0 | 5.4 7.6 | 353•5 397•3 | 4.6 5.4 | 389.7 461.3 | 5.1 6.2 |
| Total | 852.9 | 11.4 | 1,405.2 | 18.8 | | | | | 960.7 | 13.0 | 750.8 | 10.0 | 851.0 | 11.3 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 8.2 94.6 | 0.1 | 19.1 198.7 | 0.2 2.7 | | | | | 26.0 100.3 | 0.3 1.4 | 1.4 82.7 | (<u>1</u> /) 1.1 | 9•3 85•1 | 0.1 |
| Total | 102.8 | 1.4 | 217.8 | 2.9 | | | | | 126.3 | 1.7 | 84.1 | 1.1 | 94.4 | 1.2 |
| Hardwood types: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 125.1 764.0 | 1.5 10.2 | 575.5 741.4 | 6.6 9.9 | 57•3 56•1 | 0.8 0.7 | 44.1 243.7 | 0.6 3.2 | 156.6 970.2 | 1.8 12.9 | 92•7 679•0 | 1.1 9.1 | 153.2 958.8 | 1.8 |
| Total | 889.1 | 11.7 | 1,316.9 | 16.5 | 113.4 | 1.5 | 287.8 | 3.8 | 1,126.8 | 14.7 | 771.7 | 10.2 | 1,112.0 | 14.5 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 9.6 | 0.1 2.3 | 19.1 126.1 | 0.2 | 160.1 | 2.0 | 9.3 46.8 | 0.1 | 2.4 247.7 | (<u>1</u> /) 3·3 | 5.9 145.5 | 0.1 | 22.5 209.7 | 0.2 2.8 |
| Total | 180.5 | 2.4 | 145.2 | 2.0 | 160.1 | 2.0 | 56.1 | 0.8 | 250.1 | 3•3 | 151.4 | 2.1 | 232.2 | 3.0 |
| All types: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 419.6 428.4 | 5.6 5.8 | 929.0 319.8 | 12.1 4.3 | 430.4 58.6 | 5•7 0•8 | 343.7 118.5 | 4.7 1.6 | 442.8 471.6 | 5.9 6.3 | 369.4 399.2 | 4.9 5.4 | 426.8 575.2 | 5.7 7.7 |
| Total | 848.0 | 11.4 | 1,248.8 | 16.4 | 489.0 | 6.5 | 462.2 | 6.3 | 914.4 | 12.2 | 768.6 | 10.3 | 1,002.0 | 13.4 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 14.4 99.2 | 0.2 | 18.7 90.6 | 0.2 | 20.0 94.1 | 0.3 | 29.8 29.4 | 0.4 | 7.9 116.3 | 0.1 | 12.0 87.9 | 0.2 | 21.8 | 0.3 |
| Total | 113.6 | 1.5 | 109.3 | 1.4 | 114.1 | 1.5 | 59.2 | 0.8 | 124.2 | 1.7 | 99•9 | 1.4 | 152.1 | 2.0 |
| All timber | 961.6 | 12.9 | 1,358.1 | 17.8 | 603.1 | 8.0 | 521.4 | 7.1 | 1,038.6 | 13.9 | 868.5 | 11.7 | 1,154.1 | 15.4 |

^{1/} Less than 0.05 cord per acre.

Table 21.--Average met volume per acre of growing stock and cull timber on commercial forest land by ownership, major forest type, species group, and Survey Unit, South Carolina, 1958 (continued)

| Forest type, spe- cies group, and class of material | - | ll rships | Nati for | | | ther leral | count | te, y, and cipal | For | | Fa | ırm | Miso | |
|-----------------------------------------------------------|-----------------------------------------------------|----------------------|------------------|------------|--------------------|---------------|---------------|------------------------|----------------|------------|----------------|----------------------|------------------------|---------------------------------|
| | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords |
| | | | | | | PIEDMO | TMC | | | | | | | |
| Pine types: | K 1900- <u>1</u> 110-1110-1110-1110-1110-1110-1110- | | | | | | | | | | | | | The second second second second |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 619 . 2 | 8.8 0.9 | 1,246.3 142.7 | 16.8 | 73 ⁴ •7 | 10.3 | 685.7 93.6 | 9.4 1.4 | 676.7 56.0 | | 517.1 63.4 | 7.5 0.9 | 524.7 43.8 | 7.4 0.6 |
| Total | 684.4 | 9.7 | 1,389.0 | 18.9 | 734.7 | 10.3 | 779.3 | 10.8 | 732.7 | 10.4 | 580.5 | 8.4 | 568.5 | 8.0 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 26.5 18.1 | 0.4 | 19.5 33.9 | 0.3 0.5 | 17.7 | 0.2 | 15.0 | 0.2 | 24.8 18.2 | 0.4 | 26.6 20.1 | 0.4 | 32.5 9.2 | 0.5 |
| Total. | 44.6 | 0.7 | 53.4 | 0.8 | 17.7 | 0.2 | 15.0 | 0.2 | 43.0 | 0.7 | 46.7 | 0.7 | 41.7 | 0.6 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 25 7. 1 412.7 | 3.6 5.8 | 517.2 945.9 | 6.6 | | | | | 245.4 405.4 | 3•5 5•8 | 238.7 385.2 | 3·3 5·4 | 246.6 351.0 | 3.5 5.1 |
| Total | 669.8 | 9.4 | 1,463.1 | 19.5 | | - | | | 650.8 | 9.3 | 623.9 | 8.7 | 597.6 | 8.6 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 5•3 76.6 | 0.1 | 105.3 | 1.6 | 115.1 | 1.7 | | | 7·3 42·5 | 0.1 | 6.7 77.8 | 0.1 | 2.3 78.3 | (1/) 1.2 |
| Total | 81.9 | 1.2 | 105.3 | 1.6 | 115.1 | 1.7 | | | 49.8 | 0.8 | 84.5 | 1.2 | 80.6 | 1.2 |
| Hardwood types: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 35.6 576.0 | 0.5 7.9 | 67.0 616.4 | 0.8 8.4 | | | 104.1 | 1.5 | 70.0 732.9 | 1.0 | 30.4 576.7 | 0.4 7. 9 | 38.5 5 6 5.8 | 0.5 7.8 |
| Total | 611.6 | 8.4 | 683.4 | 9.2 | | | 104.1 | 1.5 | 802.9 | 11.0 | 607.1 | 8.3 | 604.3 | 8.3 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 1.4 | (<u>1</u> /) 1.7 | 133.4 | 1.8 | - - | | 123.8 | 1.8 | 6.8 155.3 | 0.1 2.1 | 1.5 113.7 | (<u>1</u> /) 1.6 | 153.8 | 2.1 |
| Total | 1.26.0 | 1.7 | 133.4 | 1.8 | | | 123.8 | 1.8 | 162.1 | 2.2 | 115.2 | 1.6 | 153.8 | 2.1 |
| All types: | | | | | | | | | | | | | | |
| Growing stock: | | | | | | | | | | | | | | |
| Softwood Hardwood | 365.9 290.2 | 5.2 4.0 | 925·3 316·3 | 12.4 | 523.0 | 7.4 | 475.2 96.8 | 6.5 1.4 | 478.4 262.0 | 6.8 3.6 | 277.5 319.2 | 4.0 4.4 | 335•5 247•9 | 4.7 3.5 |
| Total. | 656.1 | 9.2 | 1,241.6 | 16.8 | 523.0 | 7.4 | 572.0 | 7.9 | 740.4 | 10.4 | 596.7 | 8.4 | 583.4 | 8.2 |
| Cull timber: | | | | | | | | | | | | | | |
| Softwood Hardwood | 15.0 63.6 | 0.2 | 13.5 61.9 | 0.2 | 12.6 8.1 | 0.2 | 48.4 | 0.7 | 18.3 54.5 | 0.8 | 13.6 66.7 | 0.2 | 18.7 64.1 | 0.3 |
| Total | 78.6 | 1.1 | 75.4 | 1.1 | 20.7 | 0.3 | 48.4 | 0.7 | 72.8 | 1.1 | 80.3 | 1.1 | 82.8 | 1.2 |
| All timber | 734.7 | 10.3 | 1,317.0 | 17.9 | 543.7 | 7.7 | 620.4 | 8.6 | 813.2 | 11.5 | 677.0 | 9.5 | 666.2 | 9.4 |

^{1/} Less than 0.05 cord per acre.

Table 22.--Average net volume per acre of growing stock on commercial forest land by stand size, major forest type, stocking, and site quality, South Carolina, 1958

| | | | | | Stand | size | | | | |
|-------------------------------------------------------|---------------------------|---------------------|-----------------------------|----------------------|-----------------------------|-------------------|------------------------|-------------------|---------------|----------------|
| Site quality and stocking | 1 | ll sizes | Sawt | imber | Polet | imber | | ng and ling | | ocked other |
| | Cubic feet | Cords | Cubic feet | Cords | <u>Cubic</u> <u>feet</u> | Cords | Cubic feet | Cords | Cubic feet | Cords |
| | | | | PINE TY | PES | | | | | |
| Good site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 1,092.2 619.7 187.1 | 14.9 8.4 2.6 | 1,530.4 1,099.7 800.0 | | 616.2 441.2 232.3 | 9.4 6.5 3.4 | 70.1 60.4 47.1 | 0.9 0.8 0.7 | 446.1 49.8 | 5.6 0.7 |
| Total | 922.9 | 12.6 | 1,456.7 | 19.4 | 539•7 | 8.2 | 62.9 | 0.8 | 92.9 | 1.2 |
| Fair site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 681.6 428.6 113.0 | 9.6 6.0 1.6 | 1,176.5 1,027.9 478.6 | 15.9 13.6 6.3 | 519.1 349.9 190.6 | 8.1 5.3 2.9 | 94.1 75.6 37.6 | 1.3 1.0 0.6 | 366.0 63.7 | 5.2 0.8 |
| Total | 539.4 | 7.6 | 1,130.5 | 15.2 | 444.1 | 6.9 | 74.7 | 1.0 | 76.2 | 1.0 |
| Poor site: Well stocked Medium stocked Poorly stocked | 597.0 284.8 194.0 | 8.5 4.0 2.7 | 1,171.4 801.4 581.9 | 16.2 10.7 7.8 | 458.4 367.6 224.1 | 7.0 5.5 3.4 | 67.9 36.4 62.3 | 0.9 0.5 0.9 | 50.5 | 0.7 |
| Total | 428.3 | 6.1 | 1,025.1 | 14.1 | 399.0 | 6.1 | 52.9 | 0.7 | 50.5 | 0.7 |
| All sites: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 900.5 480.2 157.5 | 12.4 6.6 2.2 | 1,413.9 1,045.6 635.5 | 18.9 13.9 8.4 | 554.2 385.5 215.6 | 8.5 5.8 3.2 | 80.0 57.4 45.2 | 1.1 0.8 0.6 | 421.0 56.2 | 5.4 0.8 |
| Total | 718.0 | 9.9 | 1,334.8 | 17.8 | 477•3 | 7.3 | 65.6 | 0.9 | 77.6 | 1.0 |
| | | | 0 | AK-PINE | TYPES | | | | | |
| Good site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 1,017.8 898.0 431.9 | 13.7 11.9 5.7 | 1,504.7 1,266.1 886.7 | 19.8 16.6 11.5 | 586.9 635.0 327.3 | 8.7 9.2 4.6 | 105.9 134.1 10.2 | 1.5 1.7 0.1 | 891.3 | 12.7 |
| Total | 910.0 | 12.2 | 1,377.4 | 18.1 | 567•3 | 8.4 | 92.0 | 1.2 | 891.3 | 12.7 |
| Fair site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 635.5 404.4 137.8 | 8.9 5.9 2.0 | 1,192.3 987.4 522.7 | 16.3 13.8 7.0 | 512.9 441.9 292.7 | 7.6 6.7 4.7 | 70.7 58.6 60.0 | 1.0 0.8 0.8 | 84.0 | 1.3 |
| Total | 467.1 | 6.7 | 1,120.7 | 15.4 | 458.1 | 6.9 | 63.6 | 0.9 | 84.0 | 1.3 |
| Poor site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 542.2 161.3 133.5 | 7.7 2.3 2.1 | 1,487.7 | 20.7 | 439.3 310.1 198.8 | 6.4 4.6 3.2 | 163.5 65.0 63.0 | 2.3 0.8 1.1 | 71.1 | 0.8 |
| Total | 343.1 | 4.9 | 1,487.7 | 20.7 | 353.1 | 5.2 | 102.7 | 1.5 | 71.1 | 0.8 |
| All sites: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 898.8 685.6 303.3 | | 1,456.1 1,233.9 867.5 | 19.3 16.2 11.3 | 547.4 489.5 278.7 | 8.1 7.2 4.2 | 102.6 97.1 32.9 | 1.4 1.3 0.4 | 179.6 | 2.5 |
| | | | | | | | | | | |

Table 22.--Average net volume per acre of growing stock on commercial forest land by stand size, major forest type, stocking, and site quality, South Carolina, 1958 (continued)

| | | | | | Stand | size | | | | |
|--------------------------------------------------|-----------------------------|----------------------|-------------------------------|----------------------|-------------------------|--------------------|-------------------------|-------------------|----------------|----------------|
| Site quality and stocking | | ll sizes | Sawt | imber | Polet | imber | 1 | ng and ling | | ocked other |
| | <u>Cubic</u> feet | Cords | <u>Cubic</u> feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords |
| | | | Н | ARDWOOL | TYPES | | | | | |
| Good site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 1,805.7 1,331.1 821.8 | 23.5 17.4 10.7 | 2,063.3 1,515.5 1,079.4 | 26.7 19.6 13.9 | 638.1 705.2 400.6 | 9.6 10.3 5.6 | 136.9 187.4 214.5 | 1.8 2.4 2.7 | 62.0 | 0.8 |
| Total | 1,520.1 | 19.8 | 1,774.2 | 23.0 | 613.9 | 9.1 | 165.3 | 2.1 | 62.0 | 0.8 |
| Fair site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 710.9 586.8 298.0 | 9.8 7.9 4.0 | 1,309.9 1,097.1 854.6 | 17.5 14.5 11.1 | 519.6 464.8 405.8 | 7•7 6•8 5•9 | 106.4 121.2 67.6 | 1.4 1.6 0.9 | 408.0 123.2 | 5.2 1.6 |
| Total | 566.6 | 7.7 | 1,169.4 | 15.5 | 482.3 | 7.1 | 98.6 | 1.3 | 123.7 | 1.6 |
| Poor site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 230.3 219.4 49.6 | 3.4 3.0 0.7 | 898.9 | 12.2 | 364.3 420.5 234.1 | 5.5 6.0 3.3 | 117.5 115.4 30.6 | 1.5 1.5 0.4 | 387.1 37.2 | 5.2 0.5 |
| Total | 94.0 | 1.3 | 898.9 | 12.2 | 361.4 | 5•3 | 73.7 | 1.0 | 39.4 | 0.5 |
| All sites: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 1,094.6 797.0 291.8 | 14.6 10.6 3.9 | 1,740.9 1,316.0 963.5 | 22.8 17.2 12.5 | 530.0 498.0 394.2 | 7•9 7•2 5•7 | 110.1 125.4 61.7 | 1.5 1.6 0.8 | 397•5 64.8 | 5.2 0.9 |
| Total | 781.8 | 10.4 | 1,497.9 | 19.6 | 495.4 | 7•3 | 98.7 | 1.3 | 67.1 | 0.9 |
| | | · · | | ALL : | IYPES | | | | | |
| Good site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 1,258.0 959.5 453.0 | 16.8 12.7 6.0 | 1,696.5 1,353.2 1,009.2 | 22.3 17.7 13.1 | 614.6 533.7 281.7 | 9•3 7•8 4•1 | 84.3 95.7 46.8 | 1.1 1.2 0.6 | 446.1 77.3 | 5.6 1.1 |
| Total | 1,098.0 | 14.7 | 1,571.6 | 20.6 | 555.4 | 8.3 | 80.3 | 1.1 | 106.3 | 1.4 |
| Fair site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 694.1 533.0 241.7 | 9.7 7.3 3.3 | 1,243.8 1,080.0 807.8 | 16.7 14.3 10.5 | 519.1 424.5 332.8 | 7.9 6.3 4.9 | 99.5 105.6 58.5 | 1.3 1.4 0.8 | 383.8 104.7 | 5.2 1.4 |
| Total | 551.7 | 7.6 | 1,154.0 | 15.4 | 464.9 | 7.0 | 88.9 | 1.2 | 108.6 | 1.4 |
| Poor site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 544.3 259.5 87.2 | 7.8 3.7 1.2 | 1,190.7 801.4 629.7 | 16.5 10.7 8.4 | 444.5 374.5 221.8 | 6.7 5.5 3.4 | 90.2 63.7 42.2 | 1.2 0.8 0.6 | 387.2 38.7 | 5.2 0.5 |
| Total | 287.3 | 4.1 | 1,041.5 | 14.3 | 388.0 | 5.8 | 64.9 | 0.9 | 40.8 | 0.5 |
| All sites: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 966.5 666.2 250.6 | 13.1 9.0 3.4 | 1,535.2 1,232.1 897.2 | 20.3 16.2 11.7 | 546.5 445.2 299.9 | 8.3 6.6 4.4 | 93.5 93.8 53.1 | 1.2 1.2 0.7 | 413.6 65.9 | 5.4 0.9 |
| Total. | 748.7 | 10.1 | 1,409.3 | 18.6 | 485.5 | 7.3 | 82.4 | 1.1 | 72.2 | 1.0 |

Table 23.--Net annual growth and cut of sawtimber and growing stock on commercial forest land by species, South Carolina, 1957

| | Sawtim | ber | | Growing | stock | | |
|------------------------------------------------------|-----------------------|-----------------------|----------------------|---------------------|-------------------|------------------|--|
| Species | Net annual growth | Annual cut | Net annual growth | Annual cut | Net annual growth | Annual cut | |
| | Million board feet | | Million cub | ic feet | Thousand cords 1/ | | |
| Softwood | 1,003.5 | 1,037.0 | 280.9 | 277.4 | 4,255 | 3,724 | |
| Hardwood: | | | | | | | |
| Preferred hdwds.: | | | | | | | |
| Yellow-poplar Sweetgum Oaks Other preferred | 57.7 104.6 38.4 | 33.7 110.4 46.6 | 13.6 25.8 15.6 | 7.5 26.6 10.9 | 201 387 246 | 93 337 139 | |
| hdwds. | 23.8 | 26.8 | 6.2 | 6.1 | 95 | 77 | |
| Other hdwds. | 248.7 | 255.1 | 62.0 | 64.2 | 934 | 827 | |
| Total | 473.2 | 472.6 | 123.2 | 115.3 | 1,863 | 1,473 | |
| All species | 1,476.7 | 1,509.6 | 404.1 | 392.7 | 6,118 | 5,197 | |

_l/ Differences in the relationship between growth and timber cut expressed in cubic feet and cords reflect variation in the cubic-foot content of a stacked cord according to the size of the timber. Since the timber making up the growth volume is on the average smaller than the timber cut, a cord of growth contains less wood than a cord of timber cut.

Table 24.--Gross annual growth, mortality, and cut of sawtimber and growing stock on commercial forest land by ownership and species group, South Carolina, 1957

| | | | | / | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------|------------------|---------------------------------------|--------------------------------------------------------------------------------------|----------------|------------------|
| Growth, mortality, and cut by species group | All owner- ships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
| | | SAWTIMBE | R (In millio | n board feet) | / | | |
| Gross annual growth: | | | | | | | |
| Softwood Hardwood | 1,375.5 695.9 | 127.8 20.8 | 23.7 6.0 | 31.5 8.0 | 211.4 111.6 | 728.5 418.2 | 252.6 131.3 |
| Total | 2,071.4 | 148.6 | 29.7 | 39•5 | 323.0 | 1,146.7 | 383.9 |
| Annual mortality: | | | | | | | |
| Softwood Hardwood | 372.0 222.7 | 47.5 7.6 | 4.9 | 6.5 1.8 | 65.2 38.5 | 179.1 117.3 | 68.8 53.5 |
| Total | 594.7 | 55.1 | 8.9 | 8.3 | 103.7 | 296.4 | 122.3 |
| Annual cut: | | | | | | | |
| Softwood Hardwood | 1,037.0 472.6 | 42.0 2.2 | 7.0 0.6 | 11.0 | 165.5 117.1 | 597•7 240•3 | 213.8 |
| Total | 1,509.6 | 44.2 | 7.6 | 11.0 | 282.6 | 838.0 | 326.2 |
| COLUMNIA WITTERS COUNTY | | GROWING STO | CK (In mill | ion cubic feet |) | | |
| Gross annual growth: | | | | | | | |
| Softwood Hardwood | 379·9 222·2 | 29.0 7.8 | 6.0 2.5 | 7.2 2.4 | 67.3 31.3 | 194.8 136.2 | 75.6 42.0 |
| Total | 602.1 | 36.8 | 8.5 | 9.6 | 98.6 | 331.0 | 117.6 |
| Annual mortality: | | | | | | | |
| Softwood Hardwood | 99.0 99.0 | 11.6 4.2 | 1.5 1.6 | 1.8 0.8 | 17.2 16.0 | 47.9 55.3 | 19.0 21.1 |
| Total | 198.0 | 15.8 | 3.1 | 2.6 | 33.2 | 103.2 | 40.1 |
| Annual cut: | | | | | | | |
| Softwood Hardwood | 277.4 115.3 | 10.5 | 1.9 | 3.9 | 39.6 29.4 | 162.2 58.7 | 59·3 26·4 |
| Total | 392.7 | 11.2 | 2.0 | 3.9 | 69.0 | 220.9 | 85.7 |
| | | GROWING S | TOCK (In the | ousand cords) | enter anne en er et freite (A. antak Cett er en fak Civil Charal & produktion der en | | |
| Gross annual growth: | | | | | | | |
| Softwood Hardwood | 5,573 3,267 | 412 116 | 88 35 | 107 39 | 996 451 | 2,849 2,014 | 1,121 612 |
| Total | 8,840 | 528 | 123 | 146 | 1,447 | 4,863 | 1,733 |
| Annual mortality: | | | | | | | |
| Softwood Hardwood | 1,318 1,404 | 151 59 | 2 2 22 | 25 10 | 227 223 | 638 793 | 255 297 |
| Total | 2,722 | 210 | 44 | 35 | 450 | 1,431 | 552 |
| Annual cut: | | | | | | | |
| Softwood Hardwood | 3,724 1,473 | 139 9 | 26 2 | 57 | 506 381 | 2,197 750 | 799 331 |
| Total | 5,197 | 148 | 28 | 57 | 887 | 2,947 | 1,130 |

Table 25.--Annual mortality of sawtimber and growing stock on commercial forest land by species group and cause of death, South Carolina, 1957

| | | | Cause | of death | | |
|------------------|---------------|-----------|--------------|---------------|-------|---------|
| Species group | All causes | Fire | Insects | Diseases | Other | Unknown |
| | S | AWTIMBER | (In million | board feet) | | |
| Softwood | 372.0 | 29.5 | 36.8 | 17.6 | 163.5 | 124.6 |
| Hardwood | 222.7 | 6.7 | | 7.7 | 75.6 | 132.7 |
| Total | 594.7 | 36.2 | 36.8 | 25.3 | 239.1 | 257.3 |
| | GRO | WING STOC | K (In millio | on cubic feet | t) | |
| Softwood | 99.0 | 5.1 | 8.4 | 18.3 | 30.4 | 36.8 |
| Hardwood | 99.0 | 7.9 | | 2.5 | 28.8 | 59.8 |
| Total | 198.0 | 13.0 | 8.4 | 20.8 | 59.2 | 96.6 |
| | G | ROWING ST | OCK (In thou | usand cords) | | |
| Softwood | 1,318 | 57 | 110 | 261 | 376 | 514 |
| Hardwood | 1,404 | 121 | | 33 | 402 | 848 |
| Total | 2,722 | 178 | 110 | 294 | 778 | 1,362 |

Table 26.--Average annual gross growth per acre of sawtimber on commercial forest land by ownership, major forest type, species group, and Survey Unit, South Carolina, 1957

(In board feet)

| Type and species group | All ownerships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
|------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------|-------------------|------------------|
| | | | STATE | | | | |
| Pine types: | | | | | | | |
| Softwood Hardwood | 208 8 | 306 5 | 144 1 | 235 2 | 200 7 | 209 8 | 189 11 |
| Total | 216 | 311 | 145 | 237 | 207 | 217 | 200 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 94 73 | 148 147 | e e | | 103 137 | 93 6 2 | 79 44 |
| Total | 167 | 295 | | we do | 240 | 155 | 123 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 21 109 | 55 85 | 9 51 | 5 81 | 31 132 | 19 10 8 | 16 107 |
| Total | 130 | 140 | 60 | 86 | 163 | 127 | 123 |
| All types: | | | | | | | |
| Softwood Hardwood | 115 58 | 2 33 38 | 84 21 | 137 35 | 12 7 67 | 107 61 | 106 55 |
| Total | 173 | 271 | 105 | 172 | 194 | 168 | 161 |
| | | SOU | THERN COAST | AL PLAIN | | | |
| Pine types: | | i (Bernard i Alfred Marian Antonia | make y make die versie versie de de versie de de versie de versie de versie de versie de versie de versie de v | | | | |
| Softwood Hardwood | 194 7 | | 25 1 | (2/) | 255 5 | 206 9 | 136 4 |
| Total | 201 | 695 NO. | 26 | (5/) | 260 | 215 | 140 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 104 61 | | | | 149 132 | 106 47 | 53 32 |
| Total | 165 | ODERSTONE (COLORIGINAL SECULARIZATION IN THE SECULARIZATION SECURITARIZATION | | | 281 | 153 | 85 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 25 113 | ~ ~ | 11 73 | (<u>2</u> /) | 39 119 | 26 115 | 6 98 |
| Total | 138 | age emphasis his half had a half fire branche. He can he provide the company pages year flesh | 84 | (2/) | 158 | 141 | 104 |
| All types: | | | | | | | |
| Softwood Hardwood | 102 64 | | 17 36 | (<u>2</u> /) (<u>2</u> /) | 147 70 | 103 68 | 75 45 |
| Total | 166 | en sa | 53 | (2/) | 217 | 171 | 120 |

Table 26.--Average annual gross growth per acre of sawtimber on commercial forest land by ownership, major forest type, species group, and Survey Unit, South Carolina, 1957 (continued)

(In board feet)

| Type and species group | All ownerships | National forest | Other Federal | State, county, and municipal | Forest industry | Farm | Misc. private |
|------------------------|-------------------|--------------------|----------------------|---------------------------------------|-------------------|------------------|------------------|
| | | NOF | THERN COAST | CAL PLAIN | | | |
| Pine types: | | | | | | | |
| Softwood Hardwood | 23 7 9 | 335 4 | 23 ⁴ 3 | 184 (<u>1</u> /) | 180 11 | 252 9 | 235 12 |
| Total | 246 | 339 | 237 | 184 | 191 | 261 | 247 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 120 87 | 144 219 | | | 106 150 | 125 56 | 109 76 |
| Total | 207 | 363 | | | 256 | 181 | 185 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 26 114 | 106 53 | (<u>2</u> /) | 6 28 | 29 123 | 24 115 | 27 131 |
| Total | 140 | 159 | (2/) | 34 | 152 | 139 | 158 |
| All types: | | | | | | | |
| Softwood Hardwood | 129 65 | 256 44 | 150 3 | 104 13 | 114 67 | 129 65 | 115 80 |
| Total | 194 | 300 | 153 | 117 | 181 | 194 | 195 |
| | | | PIEDMON | Т | | | |
| Pine types: | | | | | | | |
| Softwood Hardwood | 189 8 | 288 6 | 282 | (<u>2</u> /) (<u>2</u> /) | 1 7 9 2 | 168 7 | 182 14 |
| Total | 197 | 294 | 282 | (<u>2</u> /) | 181 | 175 | 196 |
| Oak-pine type: | | | | | | | |
| Softwood Hardwood | 64 69 | 151 74 | | | 37 124 | 59 7 7 | 66 23 |
| Total | 133 | 225 | | | 161 | 136 | 89 |
| Hardwood types: | | | | | | | |
| Softwood Hardwood | 8 96 | 18 107 | | - <u>-</u> (<u>2</u> /) | 17 193 | 8 94 | 7 7 3 |
| Total | 104 | 125 | - | (2/) | 210 | 102 | 80 |
| All types: | | | | | | | |
| Softwood Hardwood | 109 47 | 217 34 | 201 | (<u>2</u> /) (<u>2</u> /) | 123 63 | 8 7 52 | 112 35 |
| Total | 156 | 251 | 201 | (2/) | 186 | 139 | 147 |

^{1/} Less than 0.5 board foot per acre.

^{2/} Excluded because of excessive sampling error.

Table 27.--Average annual gross growth per acre of growing stock on commercial forest land by ownership, major forest type, species group, and Survey Unit, South Carolina, 1957

| Type and species group | A owner | ll ships | Natio fore | | | her eral | cou | ate, inty, ind cipal | For | | Fa | rm | | sc. vate |
|------------------------|-------------------------------|----------------------|---------------|-------|---------------|------------------------------|---------------|-------------------------------|---------------------------------------|-------|---------------|-------|---------------|----------------------|
| | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | • | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords |
| | | | | | | STA | TE | | | | | | | |
| Pine types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 58.8 4.2 | 0.9 | 72.2 6.4 | 1.0 | 36.8 0.7 | 0.5 (<u>1</u> /) | 53·3 1.9 | 0.8 | 66.4 3.5 | 1.0 | 57.2 5.0 | 0.8 | 56.4 3.0 | 0.8 (<u>1</u> /) |
| Total | 63.0 | 1.0 | 78.6 | 1.1 | 37.5 | 0.5 | 55.2 | 0.8 | 69.9 | 1.1 | 62.2 | 0.9 | 59.4 | 0.8 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Softwood Hardwood | 22 .9 25 . 2 | 0.3 | 25.5 38.1 | 0.3 | | | | | 30.2 26.6 | 0.4 | 22.0 24.8 | 0.3 | 20.6 | 0.3 |
| Total | 48.1 | 0.7 | 63.6 | 0.9 | | | | | 56.8 | 0.8 | 46.8 | 0.7 | 43.8 | 0.7 |
| Hardwood types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 5.0 32.5 | 0.1 | 8.1 26.4 | 0.1 | 1.8 | (<u>1</u> /) 0.3 | 2.0 | (<u>1</u> /) 0.4 | 6.6 37.9 | 0.1 | 4.5 32.3 | 0.1 | 5.8 32.9 | 0.1 |
| Total | 37.5 | 0.6 | 34.5 | 0.5 | 22.6 | 0.3 | 24.7 | 0.4 | 44.5 | 0.6 | 36.8 | 0.6 | 38.7 | 0.6 |
| All types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 31.8 18.6 | 0.5 0.3 | 52.9 14.2 | 0.8 | 21.2 | 0.3 | 31.6 | 0.5 | 40.3 | 0.6 | 28.6 | 0.4 | 31.6 17.6 | 0.5 |
| Total | 50.4 | 0.8 | 67.1 | 1.0 | 30.0 | 0.4 | 42.3 | 0.7 | 59.0 | 0.9 | 48.6 | 0.7 | 49.2 | 0.8 |
| | | | | 5 | SOUTHER | RN COAS | STAL P | LAIN | | | | | | |
| Pine types: | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | |
| Softwood Hardwood | 49.1 2.9 | 0.7 (<u>1</u> /) | | | 29.0 | 0.5 (<u>1</u> /) | (<u>2</u> /) | (<u>2</u> /) | 66.7 3.7 | 1.0 | 47.5 3.4 | 0.7 | 42.8 | 0.6 (<u>1</u> /) |
| Total | 52.0 | 0.7 | | | 29.2 | 0.5 | (2/) | (2/) | 70.4 | 1.1 | 50.9 | 0.8 | 44.2 | 0.6 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Softwood Hardwood | 24.1 16.5 | 0.3 | | | | | | | 38.0 22.6 | 0.5 | 23.9 16.6 | 0.3 | 10.2 | 0.1 |
| Total | 40.6 | 0.5 | | | | | | | 60.6 | 0.8 | 40.5 | 0.5 | 21.0 | 0.3 |
| Hardwood types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 5.4 31.7 | 0.1 | | | 2.1 29.9 | $(\frac{1}{0}, \frac{1}{4})$ | (<u>2</u> /) | (<u>2</u> /) | 9.2 39.2 | 0.1 | 5.4 30.4 | 0.1 | 2.5 27.7 | (<u>1</u> /) 0.4 |
| Total | 37.1 | 0.6 | | | 32.0 | 0.4 | (2/) | (2/) | 48.4 | 0.7 | 35.8 | 0.5 | 30.2 | 0.4 |
| All types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 25.3 18.3 | 0.4 | | | 14.8 14.6 | 0.2 | (2/) (2/) | (2/) (<u>2</u> /) | 38.0 21.5 | 0.5 | 23.2 18.8 | | 23.3 13.1 | 0.3 |
| Total | 43.6 | 0.7 | | | 29.4 | 0.4 | (2/) | (2/) | 59.5 | 0.8 | 42.0 | 0.6 | 36.4 | 0.5 |

^{1/} Less than 0.05 cord per acre.

^{2/} Excluded because of excessive sampling error.

Table 27.--Average annual gross growth per acre of growing stock on commercial forest land by ownership, major forest type, species group, and Survey Unit, South Carolina, 1957 (continued)

| Type and species group | A: owner: | ll ships | Natio fore | | | ner eral | cou a | ate, nty, nd cipal | For indus | | Fa | rm | | sc. vate |
|------------------------|---------------|-------------|---------------|----------------------|---------------|----------------------|--------------------------|-----------------------------|---------------|----------------------|---------------|-----|---------------|-------------|
| | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | | Cubic feet | Cords | Cubic feet | | Cubic feet | Cords |
| | | | | | NORTHE | RIN COA | STAL P | LAIN | | | | | | |
| Pine types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 64.9 5.0 | 0.9 | 83.5 | 1.2 (<u>1</u> /) | 32.8 2.6 | 0.4 (<u>1</u> /) | 50.1 | 0.8 (<u>1</u> /) | 61.2 3.6 | 0.9 | 64.8 6.7 | 0.9 | 68.9 3.6 | 1.0 |
| Total | 69.9 | 1.0 | 85.7 | 1.2 | 35.4 | 0.4 | 51.6 | 0.8 | 64.8 | 1.0 | 71.5 | 1.0 | 7 2.5 | 1.1 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Softwood Hardwood | 28.7 27.4 | 0.4 | 34.0 45.6 | 0.5 | | | | | 23.8 | 0.3 | 26.6 26.5 | 0.4 | 36.6 20.6 | 0.5 |
| Total | 56.1 | 0.8 | 79.6 | 1.2 | | | | | 54.3 | 0.8 | 53.1 | 0.8 | 57.2 | 0.8 |
| Hardwood types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 5.1 34.3 | 0.1 | 15.2 25.8 | 0.2 | (<u>2</u> /) | (<u>2</u> /) | 1.4 | $(\underline{1}/)$ 0.3 | 5.0 37.9 | 0.1 | 4.7 33.4 | 0.1 | 5.6 39.2 | 0.1 |
| Total | 39.4 | 0.6 | 41.0 | 0.6 | (2/) | (<u>2</u> /) | 20.7 | 0.3 | 42.9 | 0.6 | 38.1 | 0.6 | 44.8 | 0.7 |
| All types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 33·9 20·5 | 0.5 | 61.0 | 0.9 | 21.2 | 0.3 (<u>1</u> /) | 28.4 9.5 | 0.4 | 35.9 19.4 | 0.5 | 32.0 21.5 | 0.5 | 32.9 23.8 | 0.5 |
| Total | 54.4 | 0.8 | 74.4 | 1.1 | 23.1 | 0.3 | 37.9 | 0.5 | 55.3 | 0.8 | 53-5 | 0.8 | 56.7 | 0.8 |
| | | | | | | PIEDM | TNC | | | | | | | |
| Pine types: | | | | | | | | | | | ·· | | | |
| Softwood Hardwood | 58.8 4.4 | 0.9 | 65.2 9.0 | 0.9 | 54·7 | 0.8 | (<u>2</u> /) | (<u>2</u> /) | 74.9 3.0 | 1.1 (<u>1</u> /) | 56.5 4.5 | 0.9 | 54.0 3.3 | 0.8 |
| Total | 63.2 | 1.0 | 74.2 | 1.0 | 54.7 | 0.8 | (2/) | (2/) | 77.9 | 1.1 | 61.0 | 1.0 | 57-3 | 0.9 |
| Oak-pine type: | | | | | | | | | | | | | | |
| Softwood Hardwood | 17.1 28.5 | 0.2 | 16.9 30.4 | 0.2 | | | | | 29.2 26.2 | | 17.1 28.3 | 0.2 | 12.2 30.9 | 0.2 |
| Total | 45.6 | 0.6 | 47.3 | 0.6 | | | | | 55.4 | 0.9 | 45.4 | 0.6 | 43.1 | 0.7 |
| Hardwood types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 4.5 30.9 | | 3.0 26.9 | $(\frac{1}{0})$ | | | <u></u> (<u>2</u> /) | (<u>2</u> /) | 5.5 34.6 | 0.1 | 3·5 33·0 | 0.1 | 8.1 26.2 | 0.1 |
| Total | 35.4 | 0.6 | 29.9 | 0.4 | | | (2/) | (2/) | 40.1 | 0.6 | 36.5 | 0.6 | 34.3 | 0.5 |
| All types: | | | | | | | | | | | | | | |
| Softwood Hardwood | 34·3 16.7 | 0.5 | 47.4 14.8 | 0.7 | 38.9 | 0.6 | (<u>2</u> /) | (<u>2</u> /) | 52.6 13.4 | 0.8 | 29.4 19.4 | 0.4 | 34.6 13.7 | 0.5 |
| Total | 51.0 | 0.8 | 62.2 | 0.9 | 38.9 | 0.6 | (2/) | (2/) | 66.0 | 1.0 | 48.8 | 0.7 | 48.3 | 0.7 |

^{1/} Less than 0.05 cord per acre.

^{2/} Excluded because of excessive sampling error.

Table 28.--Average annual gross growth per acre of growing stock on commercial forest land by stand size, major forest type, stocking, and site quality, South Carolina, 1957

| | | | | | Stand | size | | | | |
|--------------------------------------------------|-----------------------------|-------------------|-------------------------------------------------|-------------------------------------------------|-----------------------|-------------------|----------------------|---------------------------------------|---------------|-------------------|
| Site quality and stocking | stand | | Sawti | mber | Polet | imber | Seedli sapl | ng and ing | | ocked other |
| | <u>Cubic</u> <u>feet</u> | Cords | Cubic feet | Cords | <u>Cubic</u> feet | Cords | Cubic feet | Cords | Cubic feet | Cords |
| | | | | PINE T | YPES | | | | | |
| Good site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 94.8 48.2 21.4 | 1.4 0.7 0.3 | 99.0 60.1 50.5 | 1.4 0.8 0.7 | 118.1 69.8 34.9 | 1.9 1.1 0.5 | 18.7 6.2 5.7 | 0.3 0.1 0.1 | 43.5 9.1 | 0.6 0.1 |
| Total | 79.7 | 1.2 | 92.7 | 1.3 | 99.8 | 1.6 | 12.7 | 0.2 | 12.8 | 0.2 |
| Fair site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 65.4 34.9 14.2 | 1.0 0.5 0.2 | 71.9 49.2 11.4 | 1.0 0.7 0.2 | 81.3 45.4 23.2 | 1.3 0.7 0.4 | 21.2 6.7 13.9 | 0.3 0.1 0.2 | 44.7 4.6 | 0.6 0.1 |
| Total | 51.1 | 0.8 | 66.5 | 0.9 | 66.7 | 1.1 | 16.0 | 0.2 | 6.3 | 0.1 |
| Poor site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 48.6 19.7 15.0 | 0.7 0.3 0.2 | 62.6 31.8 24.6 | 0.9 0.4 0.3 | 53.5 .34.3 20.9 | 0.8 0.5 0.3 | 18.0 3.4 12.5 | 0.3 (<u>1</u> /) 0.2 | 1.7 | (<u>1</u> /) |
| Total | 33.7 | 0.5 | 51.8 | 0.7 | 43.4 | 0.7 | 10.5 | 0.2 | 1.7 | (1/) |
| All sites: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 79.8 37.4 17.0 | 1.2 0.5 0.3 | 89.4 53.9 30.7 | 1.3 0.7 0.4 | 93.9 51.2 27.8 | 1.5 0.8 0.4 | 19.6 5.5 10.9 | 0.3 0.1 0.2 | 43.9 5.6 | 0.6 0.1 |
| Total | 63.0 | 1.0 | 82.3 | 1.2 | 76.8 | 1.2 | 13.6 | 0.2 | 7.8 | 0.1 |
| | | | | OAK-PIN | E TYPES | | | | | |
| Good site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 69.4 46.0 21.5 | 1.0 0.6 0.3 | 86.2 60.4 36.7 | 1.2 0.8 0.5 | 66.5 50.2 26.7 | 1.0 0.7 0.4 | 19.2 7.0 0.9 | 0.3 0.1 (<u>1</u> /) | 71.1 | 1.0 |
| Total | 56.9 | 0.8 | 74.0 | 1.0 | 59.2 | 0.9 | 11.3 | 0.2 | 71.1 | 1.0 |
| Fair site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 35.8 40.8 11.8 | 0.6 0.6 0.2 | (<u>2</u> /) (<u>2</u> /) (<u>2</u> /) | (<u>2</u> /) (<u>2</u> /) (<u>2</u> /) | 81.5 28.1 33.4 | 1.3 0.4 0.5 | 1.4 3.6 2.0 | (<u>1</u> /) 0.1 (<u>1</u> /) | 8.2 | 0.1 |
| Total | 33.5 | 0.5 | (<u>2</u> /) | (2/) | 51.7 | 0.8 | 2.3 | (1/) | 8.2 | 0.1 |
| Poor site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 28.9 29.4 12.1 | 0.4 0.5 0.2 | 51.9 | 0.7 | 22.8 17.3 17.8 | 0.3 0.3 0.3 | 26.9 37.2 11.3 | 0.4 0.6 0.2 | 1.0 | (<u>1</u> /) |
| Total | 24.9 | 0.4 | 51.9 | 0.7 | 20.5 | 0.3 | 28.7 | 0.5 | 1.0 | (1/) |
| All sites: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 59.1 43.0 17.3 | 0.9 0.6 0.2 | 74.3 71.7 36.6 | 1.1 1.0 0.5 | 63.8 34.1 25.7 | 1.0 0.5 0.4 | 15.0 11.0 2.3 | 0.2 0.2 (<u>1</u> /) | 13.6 | 0.2 |
| Total | 48.1 | 0.7 | 70.5 | 1.0 | 50.6 | 0.8 | 10.7 | 0.2 | 13.6 | 0.2 |

 $[\]frac{1}{2}$ / Less than 0.05 cord per acre. $\frac{2}{2}$ / Excluded because of excessive sampling error.

Table 28.--Average annual gross growth per acre of growing stock on commercial forest land by stand size, major forest type, stocking, and site quality, South Carolina, 1957 (continued)

| | Stand size | | | | | | | | | |
|--------------------------------------------------|----------------------|-----------------------------|----------------------|-------------------|-----------------------|-------------------|----------------------|-----------------------------|---------------|----------------------|
| Site quality and stocking | Al stand | | Sawti | mber | Polet | imber | Seedli sapl | ng and ing | 1 | ocked other |
| | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords | Cubic feet | Cords |
| | | | F | IARDWOOL | TYPES | | | | | |
| Good site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 74.1 51.5 31.2 | 1.0 0.7 0.4 | 78.4 54.0 38.0 | 1.1 0.7 0.5 | 67.9 49.8 18.3 | 1.1 0.7 0.3 | 10.6 23.6 47.6 | 0.2 0.4 0.8 | 2.1 | (<u>1</u> /) |
| Total | 61.1 | 0.9 | 66.0 | 0.9 | 53.1 | 0.8 | 19.7 | 0.3 | 2.1 | (1/) |
| Fair site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 43.8 31.8 15.2 | 0.7 0.5 0.2 | 61.5 46.6 31.7 | 0.9 0.7 0.4 | 48.9 34.4 27.3 | 0.8 0.5 0.4 | 10.8 12.3 6.1 | 0.2 0.2 0.1 | 23.6 4.9 | 0.3 0.1 |
| Total | 32.8 | 0.5 | 52.0 | 0.7 | 40.5 | 0.6 | 9.8 | 0.1 | 5.0 | 0.1 |
| Poor site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 16.3 12.4 2.5 | 0.3 0.2 (<u>1</u> /) | 67.8 | 1.0 | 30.7 23.1 10.4 | 0.5 0.3 0.2 | 4.1 6.4 0.7 | 0.1 0.1 (<u>1</u> /) | 32.7 1.8 | 0.4 (<u>1</u> /) |
| Total | 5.4 | 0.1 | 67.8 | 1.0 | 24.0 | 0.4 | 3.1 | (<u>1</u> /) | 2.0 | (1/) |
| All sites: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 54.0 36.8 13.3 | 0.8 0.5 0.2 | 71.2 50.5 35.3 | 1.0 0.7 0.5 | 50.9 35.9 24.8 | 0.8 0.5 0.4 | 10.2 12.3 5.6 | 0.1 0.2 0.1 | 28.2 2.8 | 0.4 (<u>1</u> /) |
| Total | 37.5 | 0.6 | 59.6 | 0.8 | 41.5 | 0.6 | 9.3 | 0.1 | 3.0 | (<u>1</u> /) |
| | | | | ALL | TYPES | | | | | |
| Good site: | | | | - | | | | | | |
| Well stocked Medium stocked Poorly stocked | 86.4 49.2 24.9 | 1.3 0.7 0.4 | 91.0 56.8 39.4 | 1.3 0.8 0.5 | 104.6 62.2 30.2 | 1.6 0.9 0.5 | 17.9 8.9 6.8 | 0.3 0.1 0.1 | 43.5 9.0 | 0.6 0.1 |
| Total | 70.9 | 1.0 | 79.7 | 1.1 | 86.7 | 1.4 | 13.1 | 0.2 | 11.7 | 0.2 |
| Fair site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 53.2 33.2 14.8 | 0.8 0.5 0.2 | 64.2 50.9 29.4 | 0.9 0.7 0.4 | 66.0 37.4 26.2 | 1.1 0.6 0.4 | 14.4 10.3 8.1 | 0.2 0.2 0.1 | 35.8 5.0 | 0.5 0.1 |
| Total | 39.4 | 0.6 | 57.0 | 0.8 | 52.1 | 0.8 | 11.4 | 0.2 | 5.5 | 0.1 |
| Poor site: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 42.6 18.6 5.8 | 0.6 0.3 0.1 | 62.0 31.8 31.1 | 0.9 0.4 0.4 | 47.3 30.5 18.5 | 0.7 0.5 0.3 | 15.2 7.3 4.9 | 0.2 0.1 0.1 | 32.7 1.8 | 0.4 (<u>1</u> /) |
| Total | 21.7 | 0.3 | 52.1 | 0.8 | 37.8 | 0.6 | 8.9 | 0.1 | 2.0 | (<u>1</u> /) |
| All sites: | | | | | | | | | | |
| Well stocked Medium stocked Poorly stocked | 69.1 37.7 14.8 | 1.0 0.5 0.2 | 81.5 53.8 34.6 | 1.1 0.7 0.5 | 78.5 42.8 26.3 | 1.2 0.7 0.4 | 15.6 9.3 7.3 | 0.2 0.1 0.1 | 38.9 3.7 | 0.5 0.1 |
| Total | 50.4 | 0.8 | 70.9 | 1.0 | 62.0 | 1.0 | 11.4 | 0.2 | 4.4 | 0.1 |
| | | | | | | | | | | |

^{1/} Less than 0.05 cord per acre.

Table 29.--Output of timber products from roundwood and plant residues by product and species group, South Carolina, 1957

| Product | species group, bo | 1 | atput by source | |
|------------------------------------|---------------------------------------------------------------------|--------------------|---------------------|--------------------|
| and species group | Standard unit | Total | From plant residues | From roundwood |
| | | <u>Units</u> | Units | Units |
| Saw logs: | M bd. ft. 1/ | (50,000 | | 6 -0 |
| Softwood | M bd. ft.—' | 678,300 | | 678,300 |
| Hardwood Total | $\frac{\text{M bd. ft.} \frac{1}{2}}{\text{M bd. ft.} \frac{1}{2}}$ | 217,100 895,400 | | 217,100 895,400 |
| | | -,,,, | | ٥٫٫٫١٥٥ |
| Veneer logs and bolts: Softwood | M bd. ft. <u>l</u> / | 3,500 | | 3,500 |
| Hardwood | M bd. ft.1/ | 141,000 | | 141,000 |
| Total | M bd. ft.1/ | 144,500 | | 144,500 |
| Cooperage logs and bolts: | | | | |
| Softwood | M bd. ft. $\frac{1}{2}$ / | 5,500 | *** | 5,500 |
| Hardwood | M bd. ft.1/ | 2,200 | | 2,200 |
| Total | M bd. ft. $\frac{1}{2}$ / | 7,700 | | 7,700 |
| Pulpwood: | 0./ | | | |
| Softwood | Std. cords ² / | 1,461,400 | 76,700 | 1,384,700 |
| Hardwood | Std. cords2/ | 281,600 | 11,300 | 270,300 |
| Total | Std. cords2/ | 1,743,000 | 88,000 | 1,655,000 |
| Piling: | | | | |
| Softwood | M linear ft. | 900 | | 900 |
| Hardwood Total | M linear ft. M linear ft. | 900 | | 900 |
| | M IIIIear 10. | 900 | | 900 |
| Poles: Softwood | W minana | 200 | | 200 |
| Hardwood | M pieces M pieces | 300 | | 300 |
| Total | M pieces | 300 | | 300 |
| Hewn ties: | [2000 | 500 | | 500 |
| Softwood | M pieces | 100 | | 100 |
| Hardwood | M pieces | 100 | | 100 |
| Total | M pieces | 200 | | 200 |
| Posts: | | | | |
| Softwood | M pieces | 5,500 | | 5,500 |
| Hardwood | M pieces | 4,900 | | 4,900 |
| Total | M pieces | 10,400 | | 10,400 |
| Other industrial wood:3/ | | | | |
| Softwood | M cu. ft. | 2,100 | | 2,100 |
| Hardwood | M cu. ft. | 1,800 | | 1,800 |
| Total | M cu. ft. | 3,900 | | 3,900 |
| Fuelwood:4/ | - / | | | |
| Softwood | Std. cords2/ | 798,800 | 159,800 | 639,000 |
| Hardwood Total | Std. cords2/ | 672,700 | 134,500 | 538,200 |
| | Std. cords2/ | 1,471,500 | 294,300 | 1,177,200 |
| All products: | W 011 64 | 205 1.00 | 16 000 | 099 500 |
| Softwood Hardwood | M cu. ft. M cu. ft. | 305,400 131,100 | 16,900 9,600 | 288,500 121,500 |
| Total | M cu. ft. | 436,500 | 26,500 | 410,000 |
| | 11 04. 10. | 150,700 | | |

^{1/} International 1/4-inch rule.
2/ Rough wood basis.
3/ Includes excelsior bolts, shingle bolts, turnery bolts, etc.
4/ Used for domestic heating and cooking and excludes industrial use.

Table 30.--Output of timber products from roundwood by source, product, and species group, South Carolina, 1957

(In thousand cubic feet)

| | | | Growi | ng stock | | | |
|---------------------------------------------------|-------------------------------|------------------------------|-------------------------------------|----------------------------|------------------------------------------|--------------------------|----------------------------|
| Product and species group | All roundwood | Total | Sawtimber trees | Poletimber trees | Material left following logging | Dead trees | Cull trees and limbs |
| Saw logs: Softwood Hardwood | 117,400 | 110,200 33,500 | 100,600 | 9,600 3,800 | | | 7,200 900 |
| Total Veneer logs and bolts: Softwood Hardwood | 151,800 600 21,500 | 143,700 600 20,900 | 130,300 600 20,900 | 13,400 | | | 8,100 600 |
| Total | 22,100 | 21,500 | 21,500 | | | | 600 |
| Cooperage logs and bolts: Softwood Hardwood Total | 1,000 | 1,000 | 1,000 | | | | |
| Pulpwood: Softwood Hardwood Total | 1,300 117,100 25,900 | 1,300 108,300 21,100 | 1,300 65,600 14,700 80,300 | 28,800 6,400 | 13,900 | 3,200 | 5,600 4,800 |
| Piling: Softwood Hardwood Total | 600 600 600 | 129,400 600 600 | 500 | 35,200 | 13,900 | 3,200 | 10,400 |
| Poles: Softwood Hardwood Total | 3,900 | 3,900 | 3,700 3,700 | 200 | | | |
| Hewn ties: Softwood Hardwood Total | 600 300 900 | 600 300 900 | 600 300 900 | | | | |
| Posts: Softwood Hardwood Total | 3,600 3,200 6,800 | 2,300 2,000 4,300 | 400 300 700 | 1,700 1,500 3,200 | 200 200 400 | 300 300 600 | 1,000 900 1,900 |
| Other industrial wood: 1/Softwood Hardwood Total | 2,100 1,800 3,900 | 1,900 1,700 3,600 | 700 900 1,600 | 1,200 800 2,000 | | 100 100 200 | 100 |
| Fuelwood: Softwood Hardwood Total | 41,600 34,100 75,700 | 24,600 15,000 39,600 | 4,100 4,100 | 7,800 6,600 14,400 | 16,800 4,300 21,100 | 4,300 4,000 8,300 | 12,700 15,100 27,800 |
| All products: Softwood Hardwood Total | 288,500 121,500 410,000 | 254,000 94,800 348,800 | 173,700 71,200 244,900 | 49,400 19,100 68,500 | 30,900 4,500 | 7,900 4,400 12,300 | 26,600 22,300 48,900 |

^{1/} Includes excelsior bolts, shingle bolts, turnery bolts, etc.

Table 31.--Timber cut from sawtimber and growing stock by product and species group,

South Carolina, 1957

| | | Sawtimber | | (| Growing sto | ock |
|--------------------------|---------------|------------|----------|---------|-------------|----------|
| Product | Total | Softwood | Hardwood | Total | Softwood | Hardwood |
| | Thou | sand board | feet | Thous | sand cubic | feet |
| Saw logs | 919,400 | 699,200 | 220,200 | 175,400 | 132,200 | 43,200 |
| Veneer logs and bolts | 157,000 | 4,000 | 153,000 | 30,300 | 800 | 29,500 |
| Cooperage logs and bolts | 8,600 | 6,000 | 2,600 | 1,700 | 1,100 | 600 |
| Pulpwood | 361,000 | 293,100 | 67,900 | 130,000 | 108,300 | 21,700 |
| Piling | 3,000 | 3,000 | | 700 | 700 | |
| Poles | 20,500 | 20,500 | | 4,500 | 4,500 | |
| Hewn ties | 6, 500 | 4,100 | 2,400 | 1,400 | 800 | 600 |
| Posts | 4,400 | 2,300 | 2,100 | 4,200 | 2,200 | 2,000 |
| Other industrial wood 1 | 12,000 | 4,800 | 7,200 | 4,500 | 2,300 | 2,200 |
| Fuelwood | 17,200 | | 17,200 | 40,000 | 24,500 | 15,500 |
| All products | 1,509,600 | 1,037,000 | 472,600 | 392,700 | 277,400 | 115,300 |

^{1/} Includes excelsior bolts, shingle bolts, turnery bolts, etc.

Table 32.--Disposition of timber cut, South Carolina, 1957

| Disposition | Softw | ood | Hardw | rood | Total | |
|---------------------------------|------------------|------------|------------------|-------------|------------------|------------|
| | Thousand cu. ft. | Percent | Thousand cu. ft. | Percent | Thousand cu. ft. | Percent |
| Left in woods (logging residue) | 23,399 | 8.4 | 20,508 | 17.8 | 43,907 | 11.2 |
| Transported to mill | 253,965 | 91.6 | 94,829 | 82.2 | 348,794 | 88.8 |
| Used in manufacture | 188,453 | 68.0 | 54,798 | 47.5 | 243,251 | 61.9 |
| Plant residue | 65,512 | 23.6 | 40,031 | 34.7 | 105,543 | 26.9 |
| Used | 30,790 | 11.1 | 17,000 | 14.7 | 47,790 | 12.2 |
| Coarse Fine | 16,905 13,885 | 6.1 5.0 | 9,594 7,406 | 8.3 6.4 | 26,499 21,291 | 6.8 5.4 |
| Unused | 34,722 | 12.5 | 23,031 | 20.0 | 57 , 753 | 14.7 |
| Coarse Fine | 13,998 20,724 | 5.0 7.5 | 11,978 11,053 | 10.4 9.6 | 25,976 31,777 | 6.6 8.1 |
| Total timber cut | 277,364 | 100.0 | 115,337 | 100.0 | 392,701 | 100.0 |

Table 33.--Land area by class, major forest type, and Survey Unit, South Carolina, 1936, 1947, and 1958

(In thousand acres)

| | Y | ear of Surv | ey | Change |
|-------------------------------------------------------------------|---------------------------------------------|----------------------------------------------|-----------------------------------------------|----------------------------------------------------|
| Land class and forest type | 1936 | 1947 | 1958 | 1947 to 1958 |
| | STA | TE | | |
| Commercial forest land: | | | | |
| Pine and oak-pine type Hardwood type | 7,794.6 2,884.0 | 7,324.1 4,575.4 | | -840.4 +875.8 |
| Total | 10,678.6 | 11,899.5 | 11,934.9 | +35•4 |
| Noncommercial forest land | 25.5 | 43.1 | 80.9 | +37.8 |
| Nonforest land: | | | | |
| Cropland Improved pasture Idle or abandoned Marsh Urban and other | 6,531.2 304.0 749.5 533.2 499.5 | 4,849.6 (2/) 1,574.7 466.8 494.3 | 3,835.6 743.5 1,423.4 527.2 676.5 | (1/) (<u>1</u> /) -151.3 +60.4 +182.2 |
| Total | 8,617.4 | 7,385.4 | 7,206.2 | -179.2 |
| All land ^{3/} | 19,321.5 | 19,328.0 | 19,222.0 | -106.0 |
| Se | OUTHERN COAS | STAL PLAIN | | |
| Commercial forest land: | | | | |
| Pine and oak-pine type Hardwood type | 2,182.9 810.1 | 1,626.8 1,399.5 | 1,373.9 1,739.0 | -252.9 +339.5 |
| Total | 2,993.0 | 3,026.3 | 3,112.9 | +86.6 |
| Noncommercial forest land | | 5•9 | 5.6 | -0.3 |
| Nonforest land: | | | | |
| Cropland Improved pasture Idle or abandoned Marsh Urban and other | 1,447.4 31.4 379.3 212.2 91.4 | 1,234.8 (2/) 571.3 230.3 91.0 | 1,135.7 164.4 252.0 280.3 168.3 | (1/) (1/) -319·3 +50·0 +77·3 |
| Total | 2,161.7 | 2,127.4 | 2,000.7 | -126.7 |
| All land3/ | 5,154.7 | 5,159.6 | 5,119.2 | -40.4 |

^{1/} Comparison not valid; pasture included with cropland in 1947.

^{2/} Data not available; included with cropland.

^{3/} Excludes all water areas.

Table 33.--Land area by class, major forest type, and Survey Unit, South Carolina, 1936, 1947, and 1958 (continued)

(In thousand acres)

| | Ye | ear of Surve | | Change |
|-------------------------------------------------------------------|--------------------------------------------|--------------------------------------------|---------------------------------------------|------------------------------------------|
| Land class and forest type | 1936 | 1947 | 1958 | 1947 to 1958 |
| 1 | NORTHERN COAS | STAL PLAIN | | , |
| Commercial forest land: | | | | |
| Pine and oak-pine type Hardwood type | 3,015.5 1,482.9 | 2,705.0 2,149.5 | 2,417.7 2,258.5 | -287.3 +109.0 |
| Total | 4,498.4 | 4,854.5 | 4,676.2 | -178.3 |
| Noncommercial forest land | 9.6 | 20.3 | 17.1 | - 3.2 |
| Nonforest land: | | | | |
| Cropland Improved pasture Idle or abandoned Marsh Urban and other | 2,329.4 68.2 124.4 321.0 184.6 | 1,718.2 (2/) 368.0 236.5 227.2 | 1,686.0 171.8 376.4 246.9 234.0 | (1/) (1/) +8.4 +10.4 +6.8 |
| Total | 3,027.6 | 2,549.9 | 2,715.1 | +165.2 |
| All land3/ | 7,535.6 | 7,424.7 | 7,408.4 | -16.3 |
| | PIEDMO | TAI | | |
| Commercial forest land: | | | | |
| Pine and oak-pine type Hardwood type | 2,596.2 591.0 | 2,992.3 1,026.4 | 2,692.1 1,453.7 | -300.2 +427.3 |
| Total | 3,187.2 | 4,018.7 | 4,145.8 | +127.1 |
| Noncommercial forest land | 15.9 | 16.9 | 58.2 | +41.3 |
| Nonforest land: | | | | |
| Cropland Improved pasture Idle or abandoned | 2,754.4 204.4 245.8 | 1,896.6 (<u>2</u> /) 635.4 | 1,013.9 407.3 795.0 | (<u>1</u> /) (<u>1</u> /) +159.6 |
| Marsh Urban and other | 223.5 | 176.1 | 274.2 | +98.1 |
| Total | 3,428.1 | 2,708.1 | 2,490.4 | -217.7 |
| All land3/ | 6,631.2 | 6,743.7 | 6,694.4 | -49.3 |

^{1/} Comparison not valid; pasture included with cropland in 1947.

^{2/} Data not available; included with cropland.

^{3/} Excludes all water areas.

Table 34.--Net volume of growing stock and cull timber by diameter class, species group, and Survey Unit, South Carolina, 1936, 1947, and 1958--State as a whole

| Species | | All | | Dia | ameter cl | ass (In | inches) | | |
|----------|----------------------|----------------------------|---------------------------|-------------------|-------------------------------------|-------------------------|-----------------------------------|-------------------------------|-------------------------|
| group | Year | classes | 6 | 8 | 10 | 12 | 14 | 16-18 | 20+ |
| | | SA | WTIMBER | (In mill | lion boar | d feet) | | | |
| Softwood | 1936 1947 1958 | 17,817 17,104 14,637 | 00 00 00 00 00 00 | des des | 2,75 ⁴ 3,110 2,935 | 3,233 3,313 2,991 | 3,089 3,265 2,622 | 4,468 4,385 3,831 | 4,273 3,031 2,258 |
| Hardwood | 1936 1947 1958 | 12,764 13,038 11,969 | 00 co | | t t | 2,062 2,454 2,342 | 2,142 2,551 2,468 | 3,822 4,090 3,628 | 4,738 3,943 3,531 |
| | | GROW | ING STO | CK (In mi | illion cu | ubic feet | .) | | |
| Softwood | 1936 1947 1958 | 4,604 4,725 4,331 | 356 475 53 7 | 549 651 688 | 691 776 734 | 750 765 690 | 651 684 550 | 855 841 73 ⁴ | 752 533 398 |
| Hardwood | 1936 1947 1958 | 3,732 4,103 4,044 | 214 310 355 | 335 404 496 | 427 530 572 | 508 607 571 | 513 611 587 | 815 874 775 | 920 767 688 |
| | | CUL | L TIMBER | (In mil | lion cub | ic feet) | | | |
| Softwood | 1936 1947 1958 | 111 164 355 | 10 12 19 | 19 16 35 | 18 36 100 | 16 2 7 80 | 12 20 50 | 14 24 43 | 22 29 28 |
| Hardwood | 1936 1947 1958 | 965 974 1,420 | 92 102 112 | 147 153 178 | 144 156 212 | 111 124 244 | 97 104 180 | 134 130 237 | 240 205 257 |
| | | AL | L TIMBEF | R (In mil | lion cub | ic feet) | | | |
| Softwood | 1936 1947 1958 | 4,715 4,889 4,686 | 366 487 556 | 568 667 723 | 709 812 834 | 766 792 770 | 663 704 600 | 869 865 777 | 774 562 426 |
| Hardwood | 1936 1947 1958 | 4,697 5,077 5,464 | 306 412 467 | 482 557 674 | 571 686 784 | 619 731 815 | 610 7 15 7 67 | 949 1,004 1,012 | 1,160 972 945 |

 $[\]frac{1}{2}$ In order to provide a basis for valid comparisons, adjustments have been made to allow for differences in utilization standards used in the two surveys. Thus, the volumes shown here will not agree with volumes previously published or current volumes appearing elsewhere in this report.

Table 34.--Net volume of growing stock and cull timber by diameter class, species group, and Survey Unit, South Carolina, 1936, 1947, and 1958 (continued)--Southern Coastal Plain

| Crosing | | All | | Dia | ameter cl | Lass (In | inches) | | | |
|-----------------------------------|----------------------|-------------------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------------|-----------------------|--|
| Species group | Year | classes | 6 | 8 | 10 | 12 | 14 | 16-18 | 20+ | |
| SAWTIMBER (In million board feet) | | | | | | | | | | |
| Softwood | 1936 1947 1958 | 5,751 4,282 3,700 | | | 770 711 672 | 938 724 723 | 923 692 725 | 1,383 1,085 1,030 | 1,737 1,070 550 | |
| Hardwood | 1936 1947 1958 | 4,059 3,562 3,453 | | | | 700 737 694 | 680 720 755 | 1,228 1,077 1,025 | 1,451 1,028 979 | |
| | | GROWI | NG STOCK | (In mi) | Llion cub | ic feet) | | | | |
| Softwood | 1936 1947 1958 | 1,406 1,109 1,005 | 71 72 75 | 148 150 144 | 195 176 169 | 221 171 170 | 197 146 153 | 266 206 197 | 308 188 97 | |
| Hardwood | 1936 1947 1958 | 1,181 1,084 1,131 | 63 59 84 | 106 100 138 | 136 143 155 | 171 180 166 | 164 174 180 | 261 229 218 | 280 199 190 | |
| | | CUL | L TIMBER | (In mil | lion cub | ic feet) | | | | |
| Softwood | 1936 1947 1958 | 20 21 73 | 1 1 1 | 3 1 6 | 4 6 20 | 2 2 17 | 2 1 13 | 3 5 13 | 5 5 3 | |
| Hardwood | 1936 1947 1958 | 393 233 399 | 26 24 22 | 46 32 50 | 52 36 64 | 39 29 65 | 37 26 46 | 55 28 76 | 138 58 76 | |
| | | AL | L TIMBER | (In mil | lion cub | ic feet) | | | | |
| Softwood | 1936 1947 1958 | 1,426 1,130 1,078 | 72 73 76 | 151 151 150 | 199 182 189 | 223 173 187 | 199 147 166 | 269 211 210 | 313 193 100 | |
| Hardwood | 1936 1947 1958 | 1,574 1,317 1,530 | 89 83 106 | 152 132 188 | 188 179 219 | 210 209 231 | 201 200 226 | 316 257 294 | 418 257 266 | |

I/ In order to provide a basis for valid comparisons, adjustments have been made to allow for differences in utilizations standards used in the two surveys. Thus, the volumes shown here will not agree with volumes previously published or current volumes appearing elsewhere in this report.

Table 34.--Net volume of growing stock and cull timber by diameter class, species group, and Survey Unit, South Carolina, 1936, 1947, and 1958 (continued)--Northern Coastal Plain

| Species | | All | | Di | ameter c | lass (In | inches) | | | | |
|---------------------------------------|-----------------------------------|---------------------------|-------------------|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--|--|
| group | Year | classes | 6 | 8 | 10 | 12 | 14 | 16-18 | 20+ | | |
| | SAWTIMBER (In million board feet) | | | | | | | | | | |
| Softwood | 1936 1947 1958 | 8,341 8,613 7,041 | | | 1,051 1,140 1,096 | 1,443 1,473 1,350 | 1,469 1,845 1,259 | 2,322 2,554 2,074 | 2,056 1,601 1,262 | | |
| Hardwood | 1936 1947 1958 | 6,534 7,040 5,773 | | | | 987 1,198 988 | 1,059 1,288 1,126 | 1,931 2,244 1,745 | 2,557 2,310 1,914 | | |
| GROWING STOCK (In million cubic feet) | | | | | | | | | | | |
| Softwood | 1936 1947 1958 | 2,000 2,096 1,880 | 99 104 169 | 185 201 237 | 267 291 278 | 338 343 314 | 309 387 264 | 441 488 395 | 361 282 223 | | |
| Hardwood | 1936 1947 1958 | 1,824 2,069 1,824 | 74 122 130 | 147 174 198 | 202 245 249 | 242 295 238 | 254 310 270 | 410 477 370 | 495 446 369 | | |
| | | CUL | L TIMBEI | R (In mi | llion cub | oic feet) | | | | | |
| Softwood | 1936 1947 1958 | 48 65 149 | 3 2 3 | 7 5 12 | 6 10 42 | 7 10 35 | 5 9 21 | 6 11 19 | 14 18 17 | | |
| Hardwood | 1936 1947 1958 | 404 484 6 43 | 41 38 40 | 67 70 70 | 63 75 88 | 52 64 112 | 42 51 90 | 59 76 112 | 80 110 131 | | |
| | | AL | L TIMBEI | R (In mi | llion cub | oic feet) | | | | | |
| Softwood | 1936 1947 1958 | 2,048 2,161 2,029 | 102 106 172 | 192 206 249 | 273 301 320 | 345 353 349 | 314 396 285 | 447 499 414 | 375 300 240 | | |
| Hardwood | 1936 1947 1958 | 2,228 2,553 2,467 | 115 160 170 | 214 244 268 | 265 320 337 | 294 359 350 | 296 361 360 | 469 553 482 | 575 556 500 | | |

 $[\]frac{1}{I}$ In order to provide a basis for valid comparisons, adjustments have been made to allow for differences in utilization standards used in the two surveys. Thus, the volumes shown here will not agree with volumes previously published or current volumes appearing elsewhere in this report.

Table 34.--Net volume of growing stock and cull timber by diameter class, species group, and Survey Unit, South Carolina, 1936, 1947, and 1958 (continued)--Piedmont

| | | T The second sec | | | | | | | | | |
|----------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------|---------------------|--------------------------|---------------------------|-------------------|--|--|
| Species | 77 | All | | Di | ameter cl | ass (In | inches) | | | | |
| group | Year | classes | 6 | 8 | 10 | 12 | 14 | 16-18 | 20+ | | |
| | SAWTIMBER (In million board feet) | | | | | | | | | | |
| Softwood | 1936 1947 1958 | 3,725 4,209 3,896 | | | 933 1,259 1,167 | 852 1,116 918 | 697 728 638 | 763 746 727 | 480 360 446 | | |
| Hardwood | 1936 1947 1958 | 2,171 2,436 2,743 | | | | 375 519 660 | 403 543 587 | 663 769 858 | 730 605 638 | | |
| | | GROWI: | NG STOCK | (In mi | Llion cub | ic feet) | | | | | |
| Softwood | 1936 1947 1958 | 1,198 1,520 1,446 | 186 299 293 | 216 300 307 | 229 309 287 | 191 251 206 | 145 151 133 | 148 147 142 | 83 63 78 | | |
| Hardwood | 1936 1947 1958 | 727 950 1,089 | 77 129 141 | 82 130 160 | 89 142 168 | 95 132 167 | 95 12 7 137 | 144 168 18 7 | 145 122 129 | | |
| | | CUL | L TIMBER | R (In mi | Llion cub | ic feet) | | | | | |
| Softwood | 1936 1947 1958 | 43 78 133 | 6 9 15 | 9 10 17 | 8 20 38 | 7 15 28 | 5 10 16 | 5 8 11 | 3 6 8 | | |
| Hardwood | 1936 1947 1958 | 168 257 378 | 25 40 50 | 34 51 58 | 29 45 60 | 20 31 67 | 18 27 44 | 20 26 49 | 22 37 50 | | |
| | | AL | L TIMBER | (In mil | lion cubi | ic feet) | | | | | |
| Softwood | 1936 1947 1958 | 1,241 1,598 1,579 | 192 308 308 | 225 310 324 | 237 329 325 | 198 266 234 | 150 161 149 | 153 155 153 | 86 69 86 | | |
| Hardwood | 1936 1947 1958 | 895 1,207 1,467 | 102 169 191 | 116 181 218 | 118 187 228 | 115 163 234 | 113 154 181 | 164 194 236 | 167 159 179 | | |

^{1/} In order to provide a basis for valid comparisons, adjustments have been
made to allow for differences in utilization standards used in the two surveys.
Thus, the volumes shown here will not agree with volumes previously published or
current volumes appearing elsewhere in this report.

Table 35.--Thirty-year volume and growth outlook in South Carolina

| Kind of timber | | Softwood | | | Hardwood | L | | Total | |
|-----------------|-----------------------------------------------|----------|------------|----------|----------|--------------------|--------|--------|--------|
| Kind of timber | 1958 | 1988 | Change | 1958 | 1988 | Change | 1958 | 1988 | Change |
| | | SAW | TIMBER (| In milli | on bd. f | 't.) | | | |
| Small sawtimber | | | | | | | | | |
| Net inventory | 8,548 | 8,792 | +244 | 4,810 | 6,267 | +1,457 | 13,358 | 15,059 | +1,701 |
| Net growth | 551 | 719 | +168 | 132 | 223 | +91 | 683 | 942 | +259 |
| Large sawtimber | | | | | | | | | |
| Net inventory | 6,089 | 2,954 | -3,135 | 7,159 | 6,412 | -7 ¹ +7 | 13,248 | 9,366 | -3,882 |
| Net growth | 343 | 179 | -164 | 266 | 294 | +28 | 609 | 473 | -136 |
| Total | | | | | | | | | |
| Net inventory | 14,637 | 11,746 | -2,891 | 11,969 | 12,679 | +710 | 26,606 | 24,425 | -2,181 |
| Net growth | 894 | 898 | +1+ | 398 | 517 | +119 | 1,292 | 1,415 | +123 |
| | | ALI | TIMBER | (In mill | ion cu. | ft.) | | | |
| Growing stock | Terreteriales resultantes de la estacionación | | | | | | | | |
| Net inventory | 4,331 | 4,297 | -34 | 4,044 | 4,835 | +791 | 8,375 | 9,132 | +757 |
| Net growth | 265 | 331 | +66 | 116 | 169 | +53 | 381 | 500 | +119 |
| Cull trees | | | | | | | | | |
| Net inventory | 355 | 350 | - 5 | 1,420 | 1,674 | +254 | 1,775 | 2,024 | +249 |
| Net growth | 31 | 28 | - 3 | 25 | 58 | + 33 | 56 | 86 | +30 |
| Total | | | | | | | | | |
| Net inventory | 4,686 | 4,647 | -39 | 5,464 | 6,509 | +1,045 | 10,150 | 11,156 | +1,006 |
| Net growth | 296 | 359 | +63 | 141 | 227 | +86 | 437 | 586 | +149 |

^{1/} Based on projection of average annual change between 1936 and 1958.

Table 36.--County area by class, South Carolina, 1958

| Abbeville Aiken Allendale Anderson Bamberg Barnwell | Total area Thousand acres 325.8 | Land Thousand acres | Water Thousand | Non- commercial | Forest land Commer | cial |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Aiken Allendale Anderson Bamberg Barnwell | acres | | Thousand | | | |
| Aiken Allendale Anderson Bamberg Barnwell | 325.8 | | acres | Thousand acres | Thousand acres | Percent |
| Beaufort Berkeley Calhoun Charleston Cherokee Chester Chesterfield Clarendon Colleton Darlington Dillon Dorchester Edgefield Fairfield Florence Georgetown Greenville Greenwood Hampton Horry Jasper Kershaw Lancaster Laurens Lee Lexington McCormick Marion Marlboro Newberry Oconee Orangeburg Pickens Richland Saluda Spartanburg Sumter Union Williamsburg | 707.2 267.3 497.3 252.8 353.9 498.5 2498.6 353.9 461.8 2661.8 2661.8 260.2 448.4 260.2 264.5 264.5 271.2 369.1 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273.3 273 | 120.2 219.4 105.2 296.7 123.6 161.8 246.2 120.1 117.6 255.8 108.3 112.8 184.5 166.1 191.7 180.4 118.1 94.1 71.7 226.2 132.9 223.5 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109.2 109. | 2.8 10.3 1.8 8.2 0.7 1.0 89.4 94.0 10.1 1.4 1.1 66.3 14.0 1.6 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 | 0.4 0.9 (2/) 0.2 1.5 1.1 2.7 1.6 0.4 7.0 0.3 (2/) 0.8 1.0 0.2 (2/) 24.2 1.0 0.3 (2/) 24.2 1.0 0.3 (2/) 24.2 1.0 0.3 (2/) 2.8 (2/) 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 0.4 7.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1 | 202.4 476.6 160.5 192.4 128.3 190.9 161.5 573.3 120.7 316.2 141.5 259.1 315.6 211.8 472.4 146.4 1266.3 212.6 373.4 287.9 376.4 287.9 376.4 287.9 261.7 483.3 214.6 271.4 104.3 278.6 271.4 104.3 278.6 271.4 104.3 278.6 271.4 104.3 278.6 271.4 104.3 278.6 271.4 104.3 278.6 271.4 104.3 278.6 271.4 104.3 278.6 271.4 104.3 278.6 271.4 104.3 278.6 271.4 104.3 278.6 271.4 104.3 278.6 279.1 279.1 279.1 | 62.7 68.4 69.9 59.9 59.5 59.6 59.6 59.6 59.6 59.6 |
| York State total | 19,875.2 | 7,206.2 | 653.2 | 80.9 | 251.7 | 57·9 62·1 |

^{1/} Gross area from Bureau of the Census, 1950.

^{2/} Less than 50 acres.

Table 37.--Ownership of commercial forest land by county, South Carolina, 1958

(In thousand acres)

| | | (LII UILBEDOIL) | Cles | | |
|--------------|------------|-----------------|--------------------------|-------------------|----------|
| | | | Public | | |
| County | Total | National | Other | | Private |
| 000000 | commercial | forest | public | Total | 1111466 |
| | | | | | |
| Abbeville | 202.4 | 19.9 | 1.2 | 21.1 | 181.3 |
| Aiken | 476.6 | | 57•9 | 57.9 | 418.7 |
| Allendale | 160.5 | | 3.6 | 3.6 | 156.9 |
| Anderson | 192.4 | - | 5•7 | 5•7 | 186.7 |
| Bamberg | 128.3 | | (1/) | (1/) | 128.3 |
| Barnwell | 190.9 | | 94.3 | 94.3 | 96.6 |
| Beaufort | 161.5 | | 2.1 | 2.1 | 159.4 |
| Berkeley | | 182.0 | 26.2 | 208.2 | |
| · · | 573·3 | 102.0 | | | 365.1 |
| Calhoun | 120.7 | ~~ | 1.2 | 1.2 | 119.5 |
| Charleston | 316.2 | 55•3 | 4.4 | 59•7 | 256.5 |
| Cherokee | 141.5 | ** *** | 0.1 | 0.1 | 141.4 |
| Chester | 259.1 | 11.5 | 0.4 | 11.9 | 247.2 |
| Chesterfield | 315.6 | | 90.1 | 90.1 | 225.5 |
| Clarendon | 211.8 | | 6.1 | 6.1 | 205.7 |
| Colleton | 472.4 | ** *** | 1.5 | 1.5 | 470.9 |
| Darlington | 166.4 | tes en | 0.8 | 0.8 | 165.6 |
| Dillon | 141.4 | | e= e= | | 141.4 |
| Dorchester | 266.3 | | 0.3 | 0.3 | 266.0 |
| Edgefield | 212.6 | 27.6 | 0.2 | 27.8 | 184.8 |
| Fairfield | 373.4 | 12.1 | 0.1 | 12.2 | 361.2 |
| Florence | 287.9 | 100 mm | 0.4 | 0.4 | 287.5 |
| Georgetown | 376.4 | ene aps. | (1/) | (1/) | 376.4 |
| Greenville | 251.8 | ** *** | 0.7 | Ŏ. 7 | 251.1 |
| Greenwood | 174.9 | 10.2 | 1.3 | 11.5 | 163.4 |
| Hampton | 261.7 | an m | 5.3 | 5.3 | 256.4 |
| Horry | 483.3 | *** | 3.0 | 3.0 | 480.3 |
| Jasper | 260.0 | | 0.2 | 0.2 | 259.8 |
| Kershaw | 358.3 | | 6.4 | 6.4 | 351.9 |
| Lancaster | 214.6 | | 0.1 | 0.1 | 214.5 |
| Laurens | 271.4 | 19.9 | 1.7 | 21.6 | 249.8 |
| Lee | 104.3 | ±7•7 | | | 104.3 |
| Lexington | 278.5 | - 04 | $(\underline{1}/)$ 1.0 | $(\frac{1}{1})$ | |
| • | | 777 • 77 | | | 277.5 |
| McCormick | 181.6 | 44•4 | 27.5 | 71.9 | 109.7 |
| Marion | 223.6 | | (1/) 0.1 | $(\frac{1}{0},1)$ | 223.6 |
| Marlboro | 160.1 | | | 0.1 | 160.0 |
| Newberry | 273.4 | 53.6 | 0.2 | 53.8 | 219.6 |
| Oconee | 291.4 | 69.2 | 9•7 | 78.9 | 212.5 |
| Orangeburg | 335.5 | | 4.6 | 4.6 | 330.9 |
| Pickens | 206.3 | | 8.5 | 8.5 | 197.8 |
| Richland | 338.7 | | 53•4 | 53•4 | 285.3 |
| Saluda | 180.6 | 4.2 | 0.1 | 4.3 | 176.3 |
| Spartanburg | 215.0 | | 2.7 | 2.7 | 212.3 |
| Sumter | 216.8 | | 41.1 | 41.1 | 175.7 |
| Union | 251.7 | 56.4 | 0.1 | 56.5 | 195.2 |
| Williamsburg | 402.1 | | (<u>1</u> /) | (1/) | 402.1 |
| York | 251.7 | | 3 .8 | 3.8 | 247.9 |
| State total | 11,934.9 | 566.3 | 468.1 | 1,034.4 | 10,900.5 |
| | | | | | |

^{1/} Less than 50 acres.

Table 38.--Net volume $\frac{1}{2}$ of sawtimber by county and species group, South Carolina, 1958

(In million board-feet)

| County | Softwood | Hardwood | Total | County | Softwood | Hardwood | Total |
|--------------|----------|----------|---------|--------------|----------|----------|----------|
| Abbeville | 210.1 | 166.4 | 376.5 | Hampton | 282.7 | 358.4 | 641.1 |
| Aiken | 394.5 | 204.8 | 599•3 | Horry | 723.1 | 582.0 | 1,305.1 |
| Allendale | 221.0 | 198.8 | 419.8 | Jasper | 346.8 | 306.8 | 653.6 |
| Anderson | 118.5 | 171.1 | 289.6 | Kershaw | 341.2 | 221.7 | 562.9 |
| Bamberg | 142.6 | 232.6 | 375.2 | Lancaster | 130.9 | 73.7 | 204.6 |
| Barnwell | 91.7 | 187.9 | 279.6 | Laurens | 257.1 | 182.2 | 439.3 |
| Beaufort | 161.2 | 219.0 | 380.2 | Lee | 70.4 | 153.6 | 224.0 |
| Berkeley | 1,197.8 | 708.8 | 1,906.6 | Lexington | 242.7 | 105.8 | 348.5 |
| Calhoun | 183.3 | 204.8 | 388.1 | McCormick | 250.1 | 98.4 | 348.5 |
| Charleston | 578.2 | 265.4 | 843.6 | Marion | 330.4 | 464.2 | 794.6 |
| Cherokee | 107.2 | 113.6 | 220.8 | Marlboro | 212.7 | 291.6 | 504.3 |
| Chester | 154.4 | 165.9 | 320.3 | Newberry | 647.7 | 62.1 | 709.8 |
| Chesterfield | 197.9 | 214.5 | 412.4 | Oconee | 364.3 | 250.4 | 614.7 |
| Clarendon | 301.1 | 430.9 | 732.0 | Orangeburg | 414.3 | 456.1 | 870.4 |
| Colleton | 807.5 | 787.6 | 1,595.1 | Pickens | 135.3 | 271.2 | 406.5 |
| Darlington | 290.7 | 214.4 | 505.1 | Richland | 350.6 | 503.3 | 853.9 |
| Dillon | 263.5 | 180.6 | 444.1 | Saluda | 186.5 | 128.0 | 314.5 |
| Dorchester | 559.1 | 438.6 | 997•7 | Spartanburg | 112.9 | 80.3 | 193.2 |
| Edgefield | 323.1 | 120.0 | 443.1 | Sumter | 398.2 | 532.0 | 930.2 |
| Fairfield | 363.1 | 186.0 | 549.1 | Union | 250.6 | 287.6 | 538.2 |
| Florence | 706.7 | 418.4 | 1,125.1 | Williamsburg | 613.5 | 666.1 | 1,279.6 |
| Georgetown | 796.5 | 516.7 | 1,313.2 | York | 92.3 | 207.4 | 299.7 |
| Greenville | 95•5 | 348.1 | 443.6 | | | | |
| Greenwood | 368.7 | 164.4 | 533.1 | State total | 15,388.2 | 13,142.2 | 28,530.4 |

^{1/} Log scale, International 1/4-inch rule.

Table 39.--Net volume of growing stock and cull timber by pulping species group and county,

South Carolina, 1958

(In thousand cords)

| | Growing stock Cull timber | | | | | | | | Total |
|--------------------------|---------------------------|------------------|------------------|---------------------------------|----------|------------------|------------------|------------|----------------|
| County | Softwood | Soft hardwood | Hard hardwood | Total | Softwood | Soft hardwood | Hard hardwood | Total | all timber |
| Abbeville | 1,059 | 450 | 502 | 2,011 | 37 | 156 | 104 | 297 | 2,308 |
| Aiken | 1,872 | 589 | 359 | 2,820 | 46 | 333 | 175 | 554 | |
| Allendale | 668 | 437 | 353 | 1,458 | 64 | 128 | 86 | 278 | |
| Anderson | 816 | 366 | 459 | 1,641 | 33 | 39 | 57 | 129 | |
| Bamberg | 465 | 673 | 297 | 1,435 | 17 | 129 | 92 | 238 | |
| Barnwell | 378 | 480 | 412 | 1,270 | 14 | 187 | 124 | 325 | 1,595 |
| Beaufort | 632 | 462 | 416 | 1,510 | 49 | 15 9 | 231 | 439 | |
| Berkeley | 4,304 | 1,531 | 1,322 | 7,157 | 81 | 424 | 378 | 883 | 8,040 |
| Calhoun | 671 | 679 | 211 | 1,561 | 26 | 98 | 90 | 214 | 1,775 |
| Charleston | 2 , 238 | 741 | 505 | 3,484 | 72 | 180 | 266 | 518 | 4,002 |
| Cherokee | 7 27 | 244 | 375 | 1,346 | 54 | 42 | 71 | 167 | 1,513 |
| Chester | 949 | 464 | 508 | 1,921 | 36 | 66 | 101 | 203 | 2,124 |
| Chesterfield | 889 | 653 | 287 | 1,829 | 82 | 191 | 159 | 432 | 2,261 |
| Clarendon | 897 | 1,101 | 653 | 2,651 | 74 | 174 | 90 | 338 | 2,989 |
| Colleton | 2,730 | 2,171 | 1,297 | 6,198 | 28 | 285 | 197 | 510 | 6,708 |
| Darlington | 901 | 735 | 308 | 1,944 | 5 | 171 | 69 | 245 | 2,189 |
| Dillon | 913 | 685 | 246 | 1,844 | 30 | 79 | 39 | 148 | 1,992 |
| Dorchester | 1,783 | 1,058 | 594 | 3,435 | 47 | 336 | 242 | 625 | 4,060 |
| Edgefield | 1,716 | 434 | 316 | 2,466 | 4 | 64 | 90 | 158 | 2,624 |
| Fairfield | 1,840 | 560 | 487 | 2,887 | 97 | 92 | 92 | 281 | 3,168 |
| Florence | 2,191 | 1,223 | 545 867 | 3,959 | 58 24 | 358 | 97 | 513 | 4,472 |
| Georgetown Greenville | 2 , 838 594 | 1,406 611 | 9 7 3 | 5, 111 2,1 7 8 | 69 | 205 126 | 123 242 | 352 | 5,463 2,615 |
| Greenwood | 1,373 | 427 | 350 | 2,150 | 71 | 69 | 82 | 437 222 | 2,372 |
| Hampton | 952 | 975 | 638 | 2,565 | 57 | 266 | 132 | 455 | 3,020 |
| Horry | 2,439 | 1,920 | 793 | 5,152 | 139 | 510 | 270 | 919 | 6,071 |
| Jasper | 1,192 | 696 | 578 | 2,466 | 40 | 113 | 123 | 276 | 2,742 |
| Kershaw | 1,766 | 728 | 380 | 2,874 | 64 | 145 | 150 | 359 | 3,233 |
| Lancaster | 846 | 135 | 327 | 1,308 | 73 | 136 | 107 | 316 | 1,624 |
| Laurens | 1,200 | 507 | 413 | 2,120 | 17 | 140 | 119 | 276 | 2,396 |
| Lee | 268 | 527 | 134 | 929 | 16 | 89 | 35 | 140 | 1,069 |
| Lexington | 1,012 | 353 | 282 | 1,647 | 27 | 102 | 126 | 255 | 1,902 |
| McCormick | 1,253 | 205 | 281 | 1,739 | 14 | 11 | 55 | 80 | 1,819 |
| Marion | 1,094 | 1,466 | 576 | 3,136 | 20 | 269 | 142 | 431 | 3,567 |
| Marlboro | 708 | 987 | 439 | 2,134 | 12 | 119 | 38 | 169 | 2,303 |
| Newberry | 2,877 | 435 | 255 | 3,567 | 114 | 42 | 7 5 | 231 | 3,798 |
| Oconee | 1,352 | 142 | 1,320 | 2,814 | 41 | 66 | 295 | 402 | 3,216 |
| Orangeburg | 1,341 | 1,392 | 910 | 3,643 | 67 | 355 | 182 | 604 | 4,247 |
| Pickens | 637 | 355 | 1,083 | 2,075 | 57 | 81 | 309 | 447 | 2,522 |
| Richland | 1,307 | 1,306 | 664 | 3,277 | 63 | 227 | 196 | 486 | 3,763 |
| Saluda | 1,055 | 294 | 331 | 1,680 | 51 | 40 | 69 | 160 | 1,840 |
| Spartanburg | 1,040 | 227 | 434 | 1,701 | 44 | 36 | 132 | 212 | 1,913 |
| Sumter | 1,356 | 1,359 | 461 | 3,176 | 68 | 167 | 82 | 317 | 3,493 |
| Union | 1,255 | 769 | 536 | 2,560 | 34 | 134 | 163 | 331 | 2,891 |
| Williamsburg | 2,006 | 1,340 | 1,059 | 4,405 | 50 | 417 | 383 | 850 | 5,255 |
| York | 820 | 525 | 538 | 1,883 | 38 | 82 | 139 | 259 | 2,142 |
| State total | 61,220 | 34,823 | 25,074 | 121,117 | 2,224 | 7,638 | 6,619 | 16,481 | 137,598 |

^{1/} Sound wood and bark.





